2013
Multi-Media Solutions

- Digital Signage Player
- Digital Signage Player Appliance
- Video Wall Signage Solutions
- Passenger Signage Solutions

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MMS

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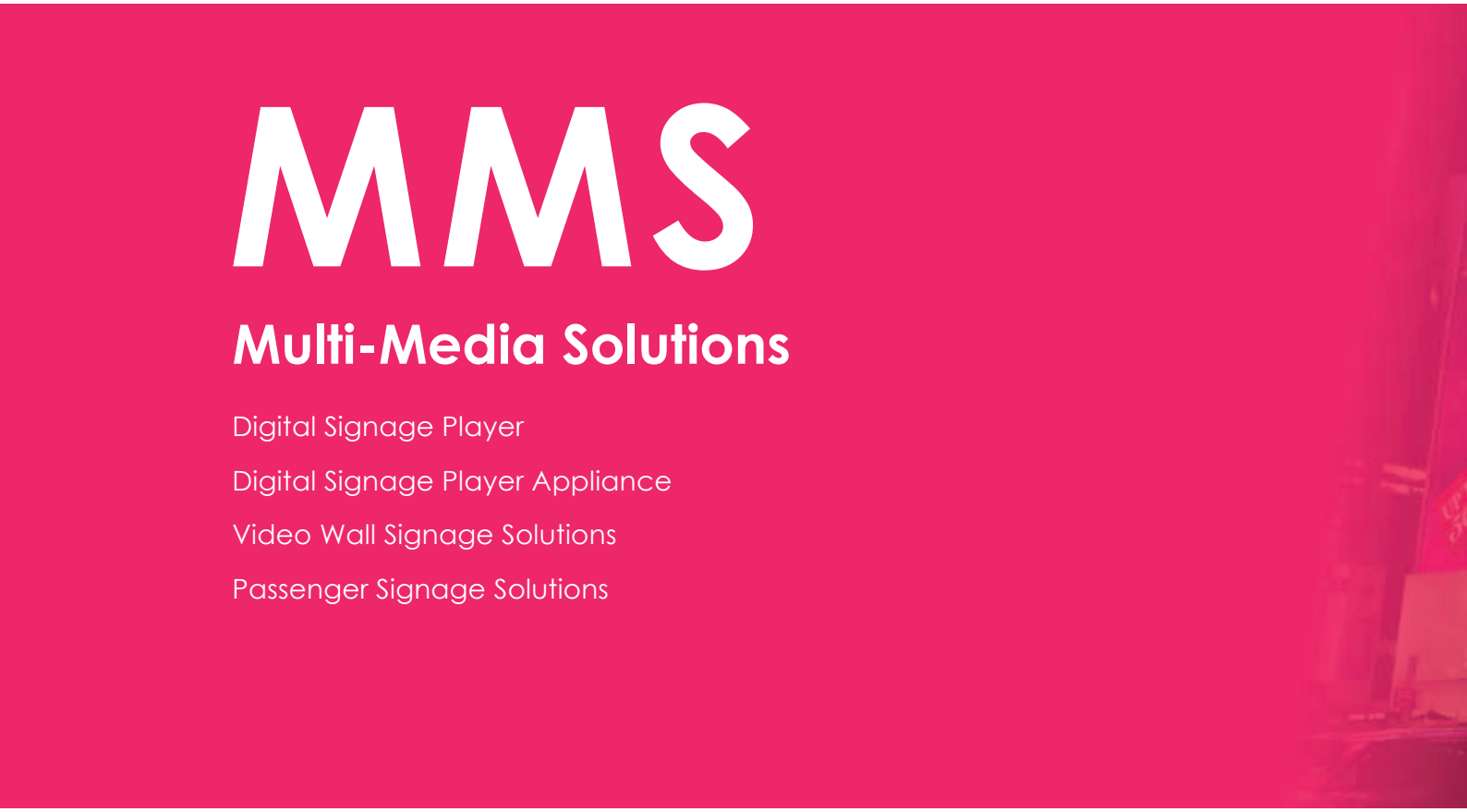


Corporate Information

Vertical Industry Applications

Digital Signage Player

Box Player

OPS Module

Digital Signage Player Appliance

Signage Player Appliance

Digital Bulletin Board

Central Management Server Appliance

Video Wall Signage Solutions

Passenger Signage Solutions

About NEXCOM

Reliable Partner for Building the Digital Infrastructure

Founded in 1992 and headquartered in Taipei, Taiwan, NEXCOM is committed to being your trustworthy partner in building the digital infrastructure. To surpass customers' expectations, NEXCOM makes the difference by utilizing its decades of industrial computing experience, a highly talented R&D team, and by providing exceptional levels of customer service. With these core strengths, NEXCOM has enabled its customers to win key projects in a diverse range of industries.

With its focus on delivering these core values to better serve customers, NEXCOM integrates its capabilities and operates four global businesses, which are Multi-Media Solutions (MMS), Mobile Computing Solutions (MCS), Industrial Computing Solutions (ICS), Network and Communication Solutions (NCS), and Intelligent Digital Security (IDS). This strategic deployment enables NEXCOM to offer time-to-market, time-to-solution products and service without compromising cost.

In addition, the service-to-market business model gives NEXCOM core competence to build a strong world-class service network by providing customized service, global logistics, local access, and real-time support. Operating seven subsidiaries, from China, France, Germany, Italy, Japan, the United States, to the United Kingdom, NEXCOM is able to better facilitate customers' requirements as well as closely work with global partners in different regions.

Partners should also be assured that NEXCOM's Taiwan based Headquarters and subsidiary offices in China, UK and USA have obtained ISO 9001:2008 Certification.

ICS	EmbeddedPro Solutions: Embedded Computer, Single Board Computer, Computer-on-Module Panel PC: Industrial PPC, Applied PPC, Multimedia PPC, Factory PPC, Medical PPC, Industrial PPC, In-Wall PPC Industrial Fanless Controller (NISE) Point of Services Industrial Wireless Machine Automation (MA) Factory Automation (FA)
IDS	Intelligent Digital Security: IP Cam, NVR, Mobile Server Platform
MCS	Mobile Computing Solutions: Rugged Computer Devices, Rugged Mobile Computer Vehicle Telematics Computer: Car PC, Train PC
MMS	Multimedia Solutions: Digital Signage
NCS	Network and Communication Solutions: Network Security, VoIP, HPC, Telecommunication, Storage, Industrial Firewall

Corporate Mission

- An Innovative Supplier in Vertical Application Markets
- A Quality Partner in Engineering, Manufacturing, and Services

Corporate Vision

To become the industrial leader in building the digital infrastructure, NEXCOM utilizes its industry leading technology, localized customer support and worldwide logistics services. This will be achieved by

- Great Team Work
- Cooperation with trusted partners
- Growth through innovation.

Business Strategy

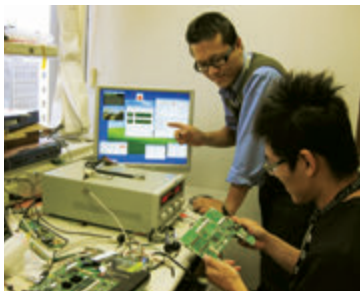
Aim to better support the activities of all its partners, NEXCOM divides its sales force into four dedicated business units to target rapidly expanding vertical markets. This enhances each business unit concentrating on strategic channel accounts and on repeat order business. Moreover, NEXCOM's business units have been set up to serve the requirements of key project accounts, where product ODM and project support are frequently required.

NEXCOM is working with embedded computing solution providers to envision new opportunities for growth. We'll help you deliver reliable vertical industry platform (VIP) solutions, optimized for the next wave of low power, small footprint embedded applications.

Research and Development

Speed, Quality, Innovation and One-stop Service

Over a decade ago, NEXCOM successfully launched the PEAK series of Single Board Computers onto the IPC market, and in doing so, gained a solid reputation for product quality and innovation. In subsequent years, NEXCOM has enhanced its reputation for R&D excellence with a multitude of high-end technology products, which has cemented NEXCOM as one of the industry leaders for R&D and innovation.



The mission of NEXCOM R&D team is to design exceptional products that meet the stringent requirements of today's global markets. In order to achieve this goal, we have recruited hundreds of talented engineers who have the knowledge and expertise to make NEXCOM's products stand out in this highly competitive market.

In 2012, NEXCOM R&D will develop solutions within the following categories, fanless computers, Panel PCs, video analytic, self-service platform, vehicle telematics computers, rugged mobile tablet computers, digital signage platform solutions, and ATCA platforms for telecommunications. The team is encouraged to "Think with New Ideas" and "Know how to make it and do it right first time". In addition, the size of NEXCOM's R&D team has been expanded to over 130 members and remains as one of core competences of the company.

Versatile Design Capabilities

- Leading industrial fanless computer
- High availability network security platform, blade, and cPCI
- Rugged tablet computer and car PC
- Ultra small footprint computer-on-module
- High speed networking
- Isolated and non-isolated power system
- Isolated and non-isolated industrial I/O
- Wide range of operating temperature

24/7 Production Line

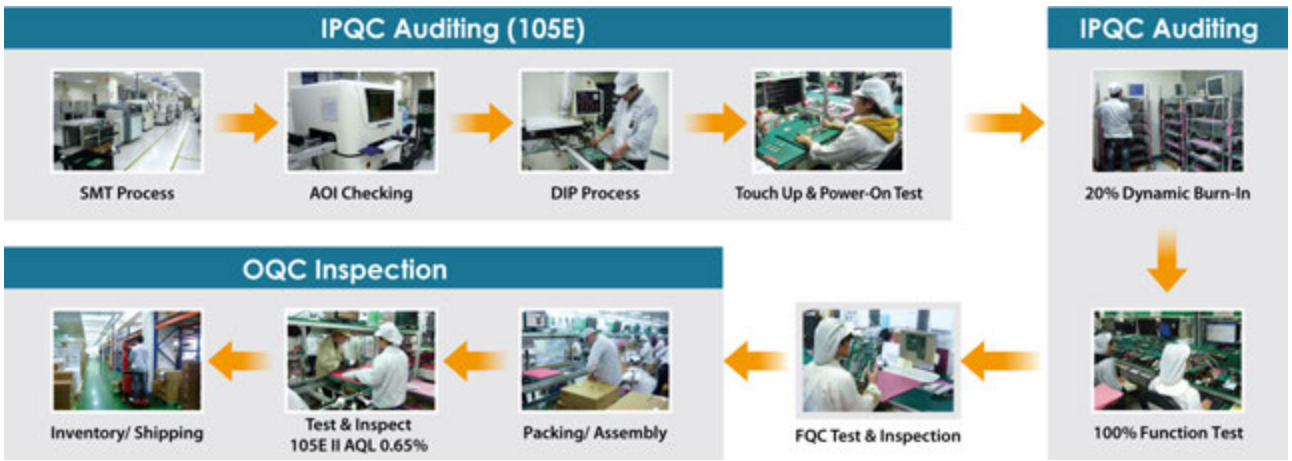
Optimal Manufacturing Efficiency

The manufacturing of delicate products requires a high-level technology, craftsmanship, standards and time-to-market efficiency. Over years continual investment in advanced manufacturing equipment and systemic training programs has enabled NEXCOM to obtain optimal manufacturing efficiency.

To fulfill the increasing market demand for NEXCOM's products, the company has opened a 24/7 production line. This investment not only furthers the quality of products, but also reduces production lead-time for all global customers.

Quality Assurance

Under a strict Quality Assurance System, product design and reliability are controlled to support all critical solutions, and ensure Total Quality Assurance (TQA) implementation for all NEXCOM products and service. Furthermore, NEXCOM technical support team aims to provide feedback within 24 hours to ensure technical issues are resolved in the shortest possible time.



Closed-Loop Quality Assurance System

Green Policy

As a global citizen, NEXCOM is committed to providing green products and services, which are compliant with WEEE and RoHS legislation. NEXCOM continues to proactively work with industry peers and suppliers, to clarify standards, and identify compatible technologies and practices that help reduce hazardous substances from our products and manufacturing processes.

Global Fulfillment Service

Product delivery and customer support are always more effective when delivered locally. NEXCOM localizes support and provides a global customer service network to handle all aspects of global business, from presales, order taking, and system assembly to logistics. For expeditious product delivery, NEXCOM has established four regional service centers: Taiwan (for Asia), USA (for North America and South America), the United Kingdom (for Europe) and China. Therefore, NEXCOM customers benefit from quality assured product assembly and four service centers.

NEXCOM has invested heavily to establish operational infrastructures, including advanced equipment and facilities, not only at its global headquarters but also at subsidiary offices. Today, each of our service centers, with ISO 9001:2008 certification, has a purpose built assembly line, RMA/ DOA center and warehouse storage capability.

NEXCOM Global Service Network

Assembly Line Operation

NEXCOM offers custom-built products based on customers' specific requirements through the build-to-order services. A dedicated 24/7 assembly line and Quality Assurance System are installed in the services center to ensure exceptional production efficiency and superb product performance and reliability.

Service Pledge and Connection

As a reliable industrial computing platform provider for vertical markets, NEXCOM provides the very best products and the most expeditious service to help customers build the digital infrastructure. Comprehensive types of service are provided to promptly satisfy varying requirements. In addition to the headquarters in Taiwan, seven subsidiaries and distributors in strategic worldwide locations are at your service.

Service Types

- Quotation
- Project Consultant
- Technical Support
- Solution Alliance
- RMA/DOA
- Assembly/ Test
- Global Logistics
- Customization
- ODM Original Design Manufacturing

Your Truly Global Information Resource

www.nexcom.com

www.nexcom.com is your one-stop platform for the latest information on all NEXCOM products and services. The rejuvenated website not only contains product relevant information and data, solutions/ products demo, up-to-date news, but incorporates online downloads, publications, and technical service supports, such as RMA/ DOA centre. Furthermore to localize service and support, seven NEXCOM sister websites remain to serve visitors in diverse geographical regions.

Get the Latest Updates Anytime, Anywhere

m.nexcom.com

At the end of the year 2011, NEXCOM launches its mobile site, m.nexcom.com. The site aims to cross time and space boundaries by allowing users to access the latest innovation and information of NEXCOM via smartphones. On this website, users will easily find our latest products, news, application stories, white papers, and videos. The mobile site now supports iOS and Android system. Please visit us at m.nexcom.com.

Design and Manufacturing Services (DMS)

Customized Service for Tailor-Made Solutions

NEXCOM provides cost-effective and time-to-market Design and Manufacturing Services (DMS). The DMS offers product customization from core modular designs to finished products based on customers' specifications in all kinds of industrial field. The levels of the service include manufacturing new CPU boards and system based products to fulfill customers' unique applications.

Unique DMS Features

With vast experience, the know-how, leading technology and innovative design capabilities, NEXCOM DMS incorporates the following features:

Prompt Time-to-Market

NEXCOM posses a dedicated project management team to monitor and ensure each DMS project is delivered on schedule. Thus, a quick time-to-market solution can be offered with time-scales varying from one-three months for the design phase, with an average six month period from design to market.

Flexible Design and Manufacturing

NEXCOM posses a complete R&D team to design and engineer the latest industrial grade products. As R&D engineers grouped into small cross-functional teams, they can develop more reliable products with flexible designs and quicker response to customers' requirements. In addition to our R&D capabilities, the state of art manufacturing facility and production lines enables NEXCOM to offer a flexible manufacturing with highly skilled factory staff.

Rigid Quality Control

NEXCOM is pledged to deliver high quality products, from design to manufacture, and safeguard against defective products by implementing a rigid Quality Assurance System. In this system, at the end of each process, NEXCOM performs various tests to ensure that the product passes the industrial standard before it enters into next stage. Finally, additional tests are performed to ensure all board and system level products function correctly. Tests include "Failure Mode and Effects Analysis", "Vibration test", "Burn-in Chambers", "Drop test", and "AC power source test".

Extensive DMS Experience

We set higher standards! NEXCOM surpasses your tailor-made product requirements with extensive DMS experiences. We are specialized in X86 architecture and have accumulated invaluable experience and know-how in real working environments. Moreover, with a superb reputation, NEXCOM has under its belt many ODM projects in diverse fields, such as gaming, medical, POS, network security, transportation, marine, blade servers, and Linux BIOS etc.

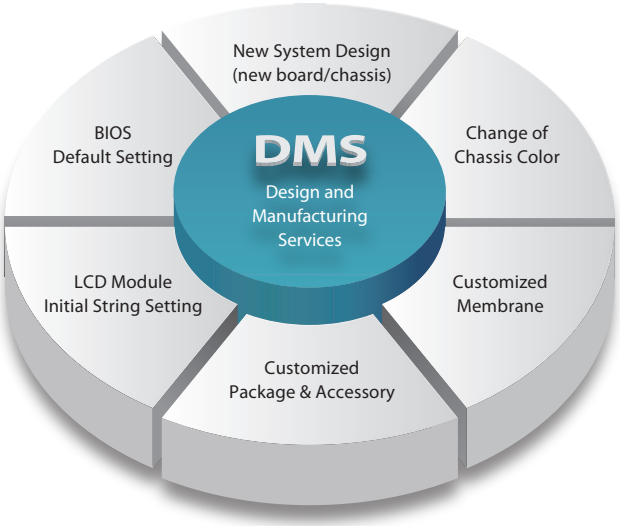
Scope of DMS Work

Original Design Manufacturing Service (ODMS)

NEXCOM offers a complete ODM Service starting from the brand new product design right through to the finished product. We can design products based on the customer's unique specifications and application requirements.

Customization to Order Service (CTOS)

NEXCOM also provides CTOS, which is a quick-to-market solution by modifying the existing products to fit your business requirements, such as BIOS setting, component change by using current PCM layout, chassis color change, and packing accessories etc.



Service of DMS

With decades of industrial computing experience, NEXCOM has the capability to provide different levels of customized service to manufacture innovative products with exceptional high quality. We can assist you to differentiate from competitors, and save significant time and efforts.

Level 1	**Logo Re-brand**	We provide the service to change the membrane to re-brand the company logo on the front panel. Customers need to provide Membrane drawing with all color pantone number. There is a service charge involved.
Level 2	**Customerized Build**	Customers can change the membrane and chassis color to re-brand the packing. NEXCOM can offer dedicated part numbers and BOM. MOQ and service charge are required.
Level 3	**Manufacturing Service**	Contract manufacturing. The service scope includes system assembly & burn-in, software loading & testing. MOQ and manufacturing service charge are required.
Level 4	**New Project**	The design of new board & system is available. NRE and quantity commitment are required.

Professional Conformal Coating Solution

Get Ruggedized with NEXCOM Cost-Effective Conformal Coating Service for Hash Environment Protection

Prompt Time-to-Market

NEXCOM recognizes the harsh reality that many embedded systems find themselves operating in unusual hostile environments. When conformal coating is required to protect your application against substantial humidity, dust, chemicals or temperature extremes, we can help!

Cost Effective Service to Apply Coating Solution in Vertical Market Segments

In addition to the usual military and harsh industrial environments that demand conformal coating, NEXCOM expand our conformal coating to Vehicle Telematic Computing, outdoor traffic control/surveillance, and off-shore Marine applications. These applications demand embedded computing performance with increased reliability through conformal coating process.

To support a wide range of applications in vertical markets, NEXCOM has engineered a diverse range of platforms, which incorporate the latest.

"State of the Art" Conformal Coating Line

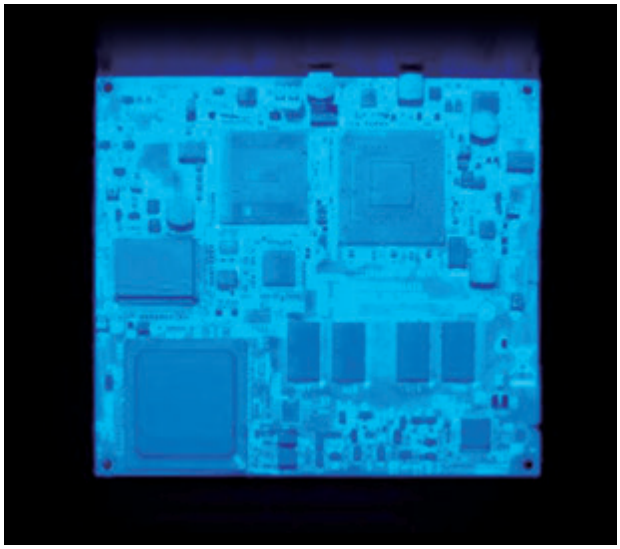
NEXCOM uses automated Conformal Coater equipment for applications that require a high level of accuracy and repeatability in moderate to high volume manufacturing environments. "State of the Art"coating line is a closed-loop robotic platform featuring optical encoder feedback on all axes.

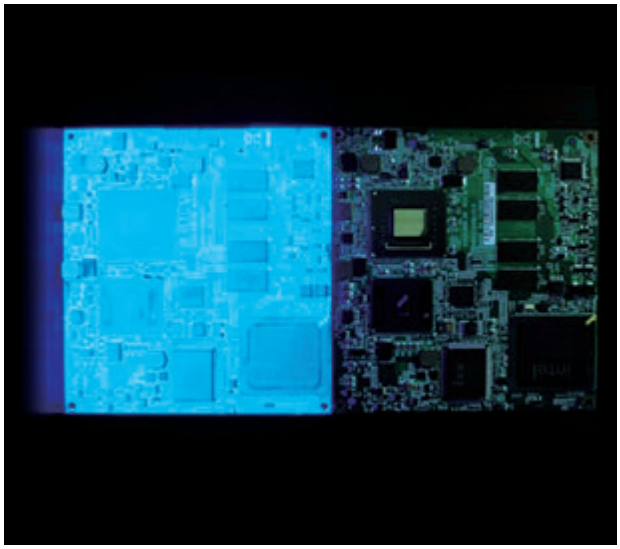
Smart Masking Technology

Our smart masking technology can pin point specific area on the PCBA for coating. The green, programmable conformal coater equipment allow user to only coat the area selected, which save labor/ material costs.

De-Flux Cleaning

To prepare a PCB for conformal coating, the circuits need to be cleaned. NEXCOM uses automatic defluxing and cleanliness testing systems. The deflux system is equipped with an automatic chemical management system that automatically doses and mixes defluxing chemicals at the turn of a keyed switch.





Real Time Cleanliness Testing

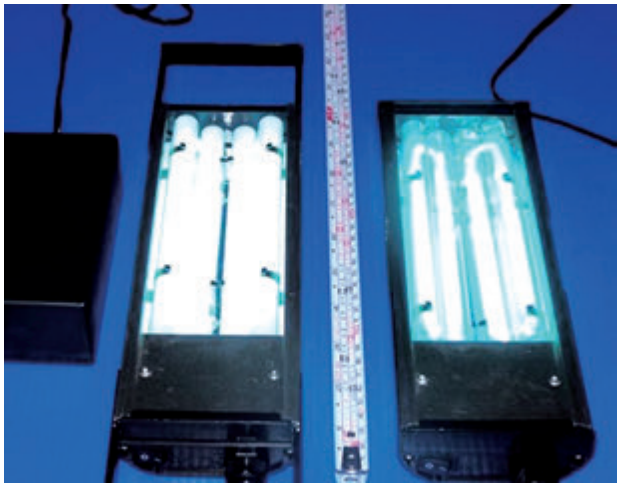
NEXCOM's deflux cleaning system is also equipped with an onboard cleanliness testing system which allows a user to program a desired cleanliness level. This assures that cleanliness levels will be consistent batch after batch.

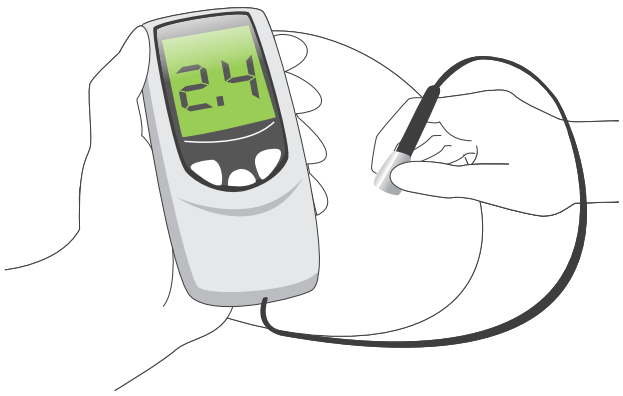
De-Coating RMA Service

NEXCOM offer De-Coating RMA service upon request. This new service allows you to further cost down and generate higher ROI.

Quality Assurance Policy and Consistency Guarantee

Conformal coating inspection is a critical factor in determining successful coating application and long term reliability of PCBs. Using the IPC standards allows the coating operator to monitor the coating application performance. NEXCOM offers 100% manual screening by examining the PCB under white and UVA light and Thickness Gauge.





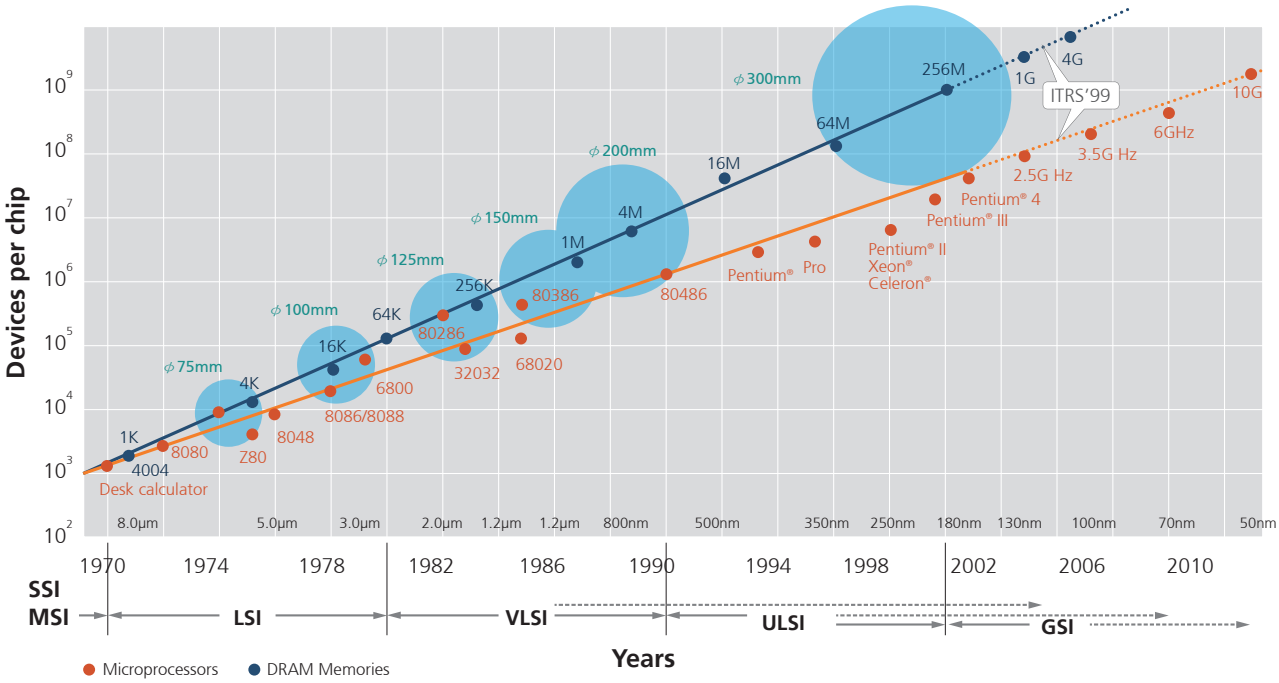
NEXCOM follows IPC-A 610, IPC-CC-830, IPC J-STD-001E regulations to generate consistent, adjustable coating thickness and cleanliness.

The Rise of SoC Technology

SoC is a concept that appeared in the early 1990s. SoC stands for system-on-chip, the packaging of all the necessary electronic circuits and parts for a "complete system" on a single integrated circuit. It includes on-chip memory (RAM and ROM), one or more microprocessors, DSP, peripheral interfaces, I/O logic control, data converters, and other components that comprise a complete computer system. With the technology enhancement of foundry, from the SSI, MSI, LSI, VLSI, to 025 µm, 0.18 µm, 0.13 µm process, the logic gate count may be larger than 100 millions today. We can integrate more mature and reusable IP, like digital circuit, analog circuit, digital-analog mixed-signal circuit, and on-chip programmable logic into one SoC. The trend of SoC technology is to integrate MEMS, and SiP cores together to meet the complex single chip requirments.

The advantages of SoC are compact and simple system design, lighter weight, high performance with lower power consumption, multiple functions and cost-competitive. SoC are widely adopted in computers, communications, consumer, industrial, transportation, and other products. According to the forecast, the CAGR of SoC sales is expected to grow by more than 20% still in the coming 5 years.

The SoC industry has developed rapidly over the last 20 years from producing VLSI devices that integrated a processor and a few memory and peripheral components onto a single chip to today's high-performance SoCs that incorporate hundreds of IP blocks. This progress is a consequence of Moore's Law:
"The performance of an IC, including the number components on it, doubles every 18-24 months with the same chip price ..." - Gordon Moore – 1960



The SoC is usually divided into three categories according to the implementation technology adopted: CSoC (Configurable SoC), SoPC (System-on-a-Programmable-Chip), and ASIC SoC for final mass-production.

It is a trend to integrate multiple processor IP in recent SoC design. It increases the complexity of system verification, especially when multiple software running on the processors concurrently. To build prototype on the FPGA prototype is widely adopted to verify these IP. Many IC vendors have provided well-integrated SoPC (FPGA, EPGA), which includes processor, memory, bus logic, IO logic, and programmable logic. The Engineer can therefore verify high level software application on such platform. This solution can reduce the risk of new SoC development, offer high flexibility, and shorten the development cycle.

The SoC may adopt any kind of instruction set, Intel X86 core (e.g. NS SC2200, SiS550), MIPS core (e.g. AMD AU1500), PowerPC core (e.g. IBM PPC405), ARM 7/9/11 cores, or new ARM Cortex-M/A series.

In addition to the reusable IP modules, the most important feature of SoC is its bus architecture for the inter-connection between IP modules.

Each vendor adopt their own bus architectures, such as the AMBA bus (ARM), AXI bus (AMBA extension), EC bus (MIPS), CoreFram bus (MIPS), CoreConnect bus (IBM), Wishbone bus (Silicore). It is almost impossible to interconnect IP cores based on different bus architecture. Today, some companies devote efforts to establish a common on-chip bus architecture VSIA (Virtual Socket Interface Association). It needs an efficient routing algorithm as basis.

Demands of SoC in Intelligent Industrial Control

Some demands make the SoC widely adopted in the industrial control,

1. Higher computing power: the SOA (Service Oriented Architecture) is widely adopted. Comparing to the traditional server/client architecture, the thin device needs higher computing power.
2. Wireless communication: because ubiquitous WIFI network, GSM network, the cloud computing becomes necessary. We need a system integrating network connection capability, security protection. The SoC is the better choice.
3. Compact size: no matter how many functions integrated, smaller size is a always need. It's reasonable to choose SoC.
4. Everything portable: to realize this feature, we need lower power consumption, reliable battery support.
5. Rapid response (real-time response): most precise equipments, or critical devices, need very rapid response after data analysis. The SoC is the most reliable solution in such application.
6. Multi-cores (distributed, or pipeline) computing: in complex system, it may need individual processor (or DSP) for each application. Like a GPU is dedicated for graphic operations, graphic accelerator, video codec, a RTU for data acquisition. Finally, there are 5 processors in ST's DVD recorder, 8 processors in HDTV, more than 10 processors in a mobile handset. To integrate these processors as one SoC is a necessary solution.

NEXCOM SoC-based Platforms and Customizing Services

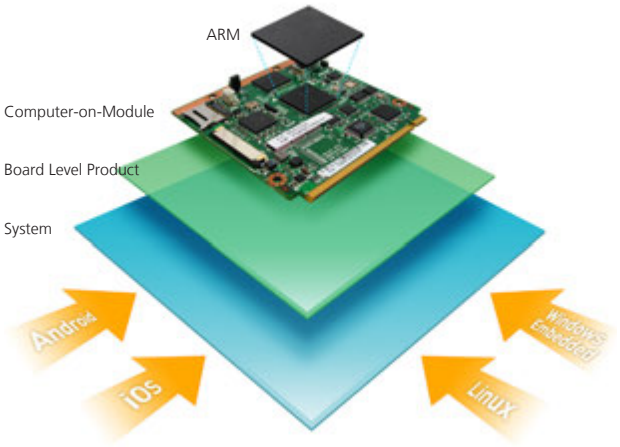
Since the mobile device application is becoming popular, the technology for SoC platform is enhancing fast. The performance of SoC based CPU is much higher than before and it is still with the benefits of low energy, compact size, easy to design. These features are also beneficial for industrial application. As the features of ARM based CPU, it can be designed as small form factor devices like box PC, panel PC, embedded board, vehicle computer, and even in network security appliance. The focus market can be industrial automation, POS/KIOSK, M2M and so on. NEXCOM provides the service for standard models, OEM/ODM service for system and board products. By leveraging our strong designing experience in versatile industrial applications, we can offer the complete service for meeting customers' requirements in SoC based platform.

Features and Benefits

- Low Power Consumption
- Compact size form factor
- Cost Effective
- Flexible Design and Manufacturing

Application and Market Focus

- Factory Automation Controller
- Machine Automation Controller
- Data Acquisition Server
- Communication Gateway
- HMI platform for Industrial Automation
- POS/ KIOSK Application
- Hardware device for M2M application
- Digital signage appliance
- In vehicle computing appliance
- Network security appliance



Digital Signage Player

Digital Signage, the Power You Cannot Ignore

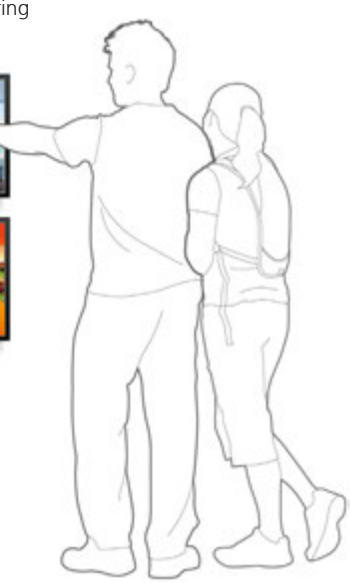
Digital Signage or Out of Home (OOH) Digital Media is gaining in popularity and has already penetrated a wide variety of applications. Good designed digital signage solutions can deliver effective messages to target audiences and allow updating content from anywhere in the world in real time. Digital Signage offers good opportunities to generate revenue by promoting and advertising products to a specific targeted market on demand, and to build brand image by influencing customer behavior and catching their eyes. The majority of digital signage deployment occurs within passenger terminals, retail stores, super markets and restaurants; other applications within transportation and self service are also getting attentions.

Digital Signage, the Power You Cannot Ignore

To cope with growing digital signage application demand, NEXCOM, with decades of solid experience in industrial computing, is dedicated to providing industrial-grade and high-performance digital signage players. NEXCOM has created a full range of digital signage players, the NDiS series, to address the requirements for a broad spectrum of digital signage applications. NDiS product family covers from very low-cost, low-power consumption RISC based media player, x86 low-cost yet powerful media players, to high-end media players with multiple video outputs.

Typical Applications of Digital Signage

- Dynamic Advertising
- Brand Promoting
- Real-time Messaging
- Public Information Sharing
- Corporate Messaging
- Live Entertainment
- Digital Menu/ Poster



Embedded Digital Signage Player Makes the Difference

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Features and Benefits

- PC-based platform supporting off-the-shelf hardware and software parts
- Industrial-grade design for better reliability
- Fanless design for lower maintenance cost (selected models)
- Slim and compact dimension for easy integration with large-size display devices
- Hardware accelerated playback of wide variety of media formats to lower total cost of ownership
- Flexible display output options for VGA, DVI and HDMI, single or multiple screens support
- Optimal configuration to handle SD, HD or Full HD quality of contents

Value Proposition

NDiS fanless design cuts tremendous maintenance costs by eliminating dust accumulation. Especially when a system is located at a remote site, the fanless design provides great reliability and a low failure rate. In addition, the slim and compact enclosure makes it easy for NDiS media player to be mounted behind LCD monitors or plug into mission-critical applications.

The initial cost is a tipping point for customers' choices of digital signage. Among all components, hardware costs can be cut down by deploying NDiS multi-output media players, which support more than two video outputs or dual independent content outputs. With solutions ranging from powerful servers for Digital Streaming to Digital Signage Media Players that address simple and complex applications, NEXCOM continuously innovates high-performance and cost-effective solutions to give customers a competitive advantage.

Compact & Thermal Design
- Space-saving easy installation
- Fanless eliminating noise and maintenance-free

Embedded OS
- Lower price
- Customization by request

Five-Year Lifespan Guarantee
- Ability to approach large-scale project
- Secure customer loyalty steady revenue

Multiple Output
- Save implementation cost
- HDMI/ DP/ DVI/ VGA

Cableless Design
- Easy-assembly
- Avoid cable loss during transportation

Variety of Communication
- Mini-PCIe slot for WiFi/ BT/ 3G/ GPS
- SIM slot default design

Optimized Platform
- Integrated graphic engine
- Discrete GPU

Green Earth
- Low power consumption design
- Optimize standby power

Model				
	NDiS 102	**NDiS 111**	**NDiS 125-L**	**NDiS 126**
CPU	TI DM8148 1GHz ARM Cortex-A8 RISC MPU	Intel® Atom™ E620	Intel® Atom™ D525	Intel® Atom™ D2700
Chipset	N/A	EG20T	NM10	NM10
Graphic	SGX530	GMA 600	GMA 3150 NVIDIA ION2	GMA 3650
RAM	DDR3-1333 1GB	DDR2 1G, Rank On Board	DDR3 SO-DIMM, up to 4GB	DDR3 SO-DIMM, up to 4 GB
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	SATA DOM	SATA DOM	N/A	N/A
Video Output	2 x HDMI	1 x DVI-D	1 x VGA, 1 x HDMI	1 x HDMI or 1 x HDMI + 1 x VGA or 2 x HDMI
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Output Channel	2 Expanded or Clone	1	2 Independent or Clone	2 Independent or Clone
Video Capability	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x7 20p	**Hardware decode:** MPEG1, MPEG2,VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264W **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p
Graphic Capability	1920x1080 raster image with advanced transition/ animated effect	1920 x 1080 raster image with advanced transition/ animated effect	1920 x 1080 raster image with advanced transition/ animated effect	1920 x 1080 raster image with advanced transition/ animated effect
Audio Output	1 x Line-in, 1 x Line-out	1 x Line-in, 1 x Line-out	1 x Line-out, 1 x Mic-in	1 x Line-in, 1 x Line-out
TV Tuner	Optional	Optional	Optional	Optional
RS-232	1 (RJ45 Connector)	N/A	N/A	1
USB 2.0	2	2	4	6
USB 3.0	N/A	N/A	N/A	N/A
Expansion Slot	1 x Mini-PCIe	1 x Mini-PCIe	N/A	1 x Mini-PCIe
Power Type	12V DC	12V DC	19V DC	12V DC
Dimension (mm)	179.9 x 114.9 x 37.5	179.9 x 114.9 x 37.5	250 x 194 x 40	185 x 147 x 48.4
OS Support	Linux 2.6.x	Win7 / XP / WES7 / WES2009	Win7 / XP / WES7 / WES2009 / Linux	Win7 / WES7

			
NDiS 127	**NDiS B322**	**NDiS 163**	**NDiS 165**
AMD G-series T56N	Intel® Celeron® Processor 847	Intel® Core™ 2 Duo/ Celeron® M	AMD R-series Dual/ Quad Core
AMD A55E	NM70	GM45/ ICH9-M	AMD A70M
ATI HD6320	HD Graphics	GMA 4500MHD	HD Graphics 7000 Series
DDR3 SO-DIMM, up to 4 GB	DDR3 SO-DIMM, up to 8 GB	2 x DDR3 DIMM, up to 8GB	2 x DDR3 SO-DIMM, up to 16GB
x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps
Optional	Optional	Optional	Optional
1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
N/A	N/A	SATA DOM	SATA DOM
1 x VGA, 1 x HDMI	1 x VGA,1 x HDMI	1 x VGA, 1 x DVI-D, 1 x HDMI	3 x HDMI
1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
2 Independent or Clone	2 Independent or Clone	2 Independent or Clone	3 Independent or Clone
Hardware decode: MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2,VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 2 x 1080p or 3 x 720p
1920 x 1080 raster image with advanced transition/ animated effect	1920 x 1080 raster image with advanced transition/ animated effect	2 x 1920 x 1080 raster image with sophisticated transition/ animated effect	3 x 1920 x 1080 raster image with sophisticated transition/ animated effect
1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x S/PDIF, 1 x Line-out, 1 x HDMI audio	1 x S/PDIF, 1 x Line-in, 1 x Line-out
Optional	Optional	Optional	Optional
1	N/A	2	2 (RJ45 Connector)
4	3	4	2
N/A	1	N/A	2
1 x Mini-PCIe, 1 x Mini-PCIe (Half)	1 x Mini-PCIe (Half)	2 x Mini-PCIe	2 x Mini-PCIe
12V DC	19V DC	12V DC	12V DC
185 x 147 x 48.4	250 x 194 x 40	280 x 210 x 40.7	280 x 230 x 44
Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux

Model				
	NDiS 166	**NDiS 167**	**NDiS B532**	**NDiS B842**
CPU	2nd generation Intel® Core™ rPGA socket type	2nd/3rd generation Intel® Core™ rPGA socket type	2nd/3rd generation Intel® Core™ rPGA socket type	AMD R-series Dual/ Quad Cord
Chipset	QM67	QM77	QM77	AMD 70M
Graphic	HD Graphics 3000	HD Graphics 3000/ 4000	HD Graphics 3000/ 4000	AMD Radeon™ E6760
RAM	2 x DDR3 DIMM, up to 16GB	2 x DDR3 DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB	2 x DDR3 SO-DIMM, up to 16GB
LAN	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps	x2, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional
Hard Disk	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA	1 x 2.5" SATA
Flash Storage	SATA DOM	SATA DOM	SATA DOM	SATA DOM
Video Output	1 x VGA, 1 x DVI-D,1 x HDMI	1 x Display Port, 1 x DVI-I, 1 x HDMI	3 x HDMI	4 x HDMI
Display Resolution	1920 x 1080	1920 x1080	1920 x1080	1920 x 1080
Output Channel	2 Independent or Clone	3 Independent or Clone	3 Independent or Clone	4 Independent, Expanded or Clone
Video Capability	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 2 x 1080p or 3 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 2 x 1080p or 3 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 2 x 1080p or 3 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 4 x 1080p or 6 x 720p
Graphic Capability	2 x 1920 x 1080 raster image with sophisticated transition/ animated effect	3 x 1920 x 1080 raster image with sophisticated transition/ animated effect	3 x 1920 x 1080 raster image with sophisticated transition/ animated effect	4x 1920x1080 raster image with advanced transition/ animated effect
Audio Output	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x S/PDIF, 1 x Line-in, 1 x Line-out
TV Tuner	Optional	Optional	Optional	Optional
RS-232	2	2	2	2 (RJ45 Connector)
USB 2.0	4	N/A	N/A	2
USB 3.0	N/A	4	4	2
Expansion Slot	2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe	2 x Mini-PCIe
Power Type	12V DC	12V DC	12V DC	12V
Dimension (mm)	250 x 194 x 40	250 x 194 x 40	294 x 198 x 52	280 x 230 x 44
OS Support	Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux

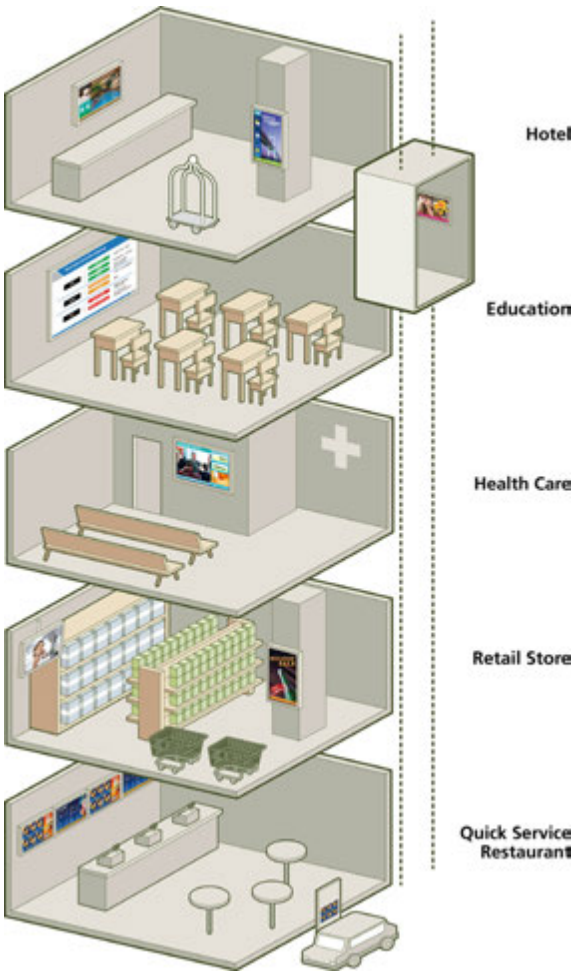
			
NDiS B862	**NDiS OPS-M50**	**NDiS M422**	**NDiS M532**
AMD R-series Dual/ Quad Cord	Intel® Core™ i5 2515E	AMD G-series T56N	2nd/3rd generation Intel® Core™ rPGA socket type
AMD 70M	QM67	AMD A50M	Intel® QM77
AMD Radeon™ E6760	HD Graphics 3000	AMD Redeon™ HD6320	HD Graphics 3000/4000
2 x DDR3 SO-DIMM, up to 16GB	DDR3 SO-DIMM, up to 8GB	DDR3 SO-DIMM, up to 4GB	DDR3 SO-DIMM, up to 8GB
x2, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x2, 10/100/1000Mbps
Optional	Optional	Optional	Optional
1 x 2.5" SATA	1 x 2.5 " SATA Slim SSD	1 x 2.5" SATA	1 x 2.5" SATA
SATA DOM	N/A	N/A	N/A
6xHDMI	1 x VGA, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector)	1 x HDMI, 1 x TMDS (via JAE connector) 1 x DP (via JAE connector)
1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
6 Independent, Expanded or Clone	2 Independent or Clone	2 Independent or Clone	2 Independent or Clone
Hardware decode: MPEG1, MPEG2, VC1, H.264 **Quality:** 4 x 1080p or 6 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 2 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 2 x 1080p or 2 x 720p
4 x 1920 x 1080 raster image with advanced transition/ animated effect	2 x 1920 x 1080 raster image with advanced transition/ animated effect	1920 x 1080 raster image with advanced transition/ animated effect	2 x 1920x1080 raster image with advanced transition/ animated effect
1 x S/PDIF, 1 x Line-in, 1 x Line-out	1 x Line-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x Line-in, 1 x Line-out, 1 x Line-out (via JAE connector)	1 x Mic-in, 1 x Line-out, 1 x Line-out (via JAE connector)
Optional	Optional	Optional	Optional
2 (RJ45 Connector)	1	1 (RJ45 Connector)	N/A
2	4 (2 x External, 2 x via JAE connector)	5 (2 x External, 3 x via JAE connector)	2 (via JAE connector)
N/A	N/A	N/A	3 (2 x External, 1 x via JAE connector)
2 x Mini-PCIe	2 x Mini-PCIe	1 x Mini-PCIe	1 x Mini-PCIe
12V	12~19VDC (via JAE connector)	12~19VDC (via JAE connector)	12~19VDC (via JAE connector)
280 x 230 x 44	200 x 119 x 30	200 x 119 x 30	200 x 119 x 30
Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux	Win7 / XP / WES7 / WES2009 / Linux

Digital Signage Appliance

Digital Signage Software Pack

Digital Signage is one of the most impactful technologies and effective marketing tools in use today. From tourist attractions to retail outlets, restaurants and nightclubs, digital signage is transforming the way businesses promote their products and it can help your business stand out from the crowd and generate new revenue. However, the complexity of digital signage deployments and high initial upfront costs for both hardware and software required have prevented many business owners from deploying digital signage even though they see the technology as beneficial.

The software integrated in PDS series is targeted for end-users who are looking for low cost, reliable and easy to use digital signage solution for small to medium digital signage networks. The extensive features of this software can support digital bulletin board and interactive signage applications used in retail, financial, travel, healthcare, hospitality, corporate communications, education, and digital out-of-home advertising.



Player Software

The Player software is tailored to handle high quality play of a great variety of multi-media contents on signage screen in accordance with user defined time and sequence. It also responses to various trigger events received from touch panel, GPS module, and gesture controller to greatly increase engagement with an ad campaign. The content design function uses simple layout

templates as a starting point for creating your digital signage presentation. With an easy to drag and drop interface, user can key-in information and combine multimedia files to build a custom message for advertising campaigns with a few clicks of a mouse.

The player licence is based on the price per player concept according to supported features. The once-off licence purchase has no recurring costs.

There are three types of licence available: Starter, Basic, and Advanced.

	Package	Starter	Basic	Advanced
	Feature	Free License	Content Playback	Event Trigger
Playback	Codec	○ (MPEG4, VC1, H.264 only)	●	●
	Zones	4 zones	9 zones	9 zones
	Widget	○	●	●
	TV Tuner	○	●	●
	Streaming Protocol	○	●	●
Interactive	SMS/External Server	○	○	●
	Touch Screen	○	○	●
	RS232	○	○	●
	GPS	○	○	●
	Gesture Control	○	○	●

The Starter is a free edition for companies looking to get started with digital signage. It can significantly lower the total cost of ownership for those customers not requiring all of the more sophisticated functionality offered by current digital signage solutions on the market. The Starter Kit features your choice of three player models (PDSB125R, PDSB166R, and PDSP2121R) to fulfill different performance requirements you have in your business. The Starter Kit can be easily upgraded to fully featured versions for supporting a wide range of digital signage applications.

The Basic, which includes full-featured content playback and management functionalities, can support all the functionalities needed for digital bulletin board applications.

And the Advanced, which includes all the interactive features such as touch panel, gesture control, and GPS trigger events without limitations.

Central management software

The server software is a sophisticated program pre-installed on NEXCOM CMS 1100 and CMS2100. It can manage all media players centrally, eliminating redundant management effort, and saving your time and money. The reliable Linux based software allows you to control and manage a group of players, create and host signage presentations, and dispatch schedule and presentation to up to hundreds of players simultaneously.

Key features

Player:

- Display a variety of media types
- Landscape and portrait orientation
- Video wall
- Extensive scheduling options
- Ethernet, WiFi, 3G connection
- USB flash disk update
- Player log
- Auto Power On/Off
- Gesture control
- GPS trigger event
- RS232 external device control
- Online presentation design
- Easy-to-manage media library
- Audio-only playlist
- Drag & drop playlist
- Multi-zone display
- Animation & transition effects

CMS:

- Online player monitoring
- Manage player by group
- Scalability
- Player failure notification
- Role-based access control
- Central scheduling
- Broadcast instant message
- Content distribution
- Remote firmware update

Model				
	PDSB 102	**PDSB 125**	**PDSB 127**	**PDSB 166**
Storage	8GB microSD 160GB HDD (optional)	160GB HDD	160GB HDD	160GB HDD
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Optional	Optional	Optional	Optional
Video Output	1 x 2 HDMI	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI	1 x VGA, 1 x DVI-D, 1 x HDMI
Display Resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080
Output Channel	2 Independent, or Clone	2 Independent, Expanded or Clone	2 Independent, Expanded or Clone	2 Independent, Expanded or Clone
Video Capability	**Hardware decode:** MPEG1, MPEG2,VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2,VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2,VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2,VC1, H.264 **Quality:** 2 x 1080p or 3 x 720p
Graphic Capability	1920 x 1080 raster image with advanced transition/ animated effect	1920 x 1080 raster image with advanced transition/ animated effect	2 x 1920 x 1080 raster image withsophisticated transition/ animated effect	2 x 1920 x 1080 raster image with sophisticated transition/ animated effect
Audio Output	1 x Line-Out, 1 x Line-In	1 x Line-out, 1 x Mic-in	1 x Line-out, 1 x Mic-in	1 x S/PDIF, 1 x Line-out, 1 x Mic-in
TV Tuner	Optional	Optional	Optional	Optional
RS-232	1 x RJ45 for RS-232	N/A	1	2
USB 2.0	2	4	4	4
Power Type	12V DC	19V DC	12V DC	12V DC
Dimension (mm)	114.9 x 179.9 x 37.5	250x 194x 40	185 x 147 x 48.4	250 x 194 x 40
Content Support	Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV			
Multimedia Format Support	**Video:** MPEG 2/4, H.264, VC-1 **Audio:** WMA, AAC, MP3 **Graphic:** JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF	Video: MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb Audio: MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra Flash: SWF, FLV Graphic: JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF		
Streaming Protocol Support	http, mms, udp, rtp, rtsp, IPTV			
Max. Number of Zones	4	9	9	9
Software Package	PowerDigiS V2	PowerDigiS V2	PowerDigiS V2	PowerDigiS V2
Management UI	Web	Web	Web	Web

Model		
	CMS 1100	**CMS 2100**
Storage	160GB HDD	320GB HDD
LAN	x4, 10/100/1000Mbps	x8, 10/100/1000Mbps
WLAN	Optional	Optional
RS-232	N/A	N/A
USB 2.0	2	2
Power Type	12V DC	110~240V AC
Dimension (mm)	272 x 195 x 44	426.2 x 365 x 44
Max. Number of Zones	100	250
Player Device Management	Add/ Remove/ Edit player or player group Start/ Stop/ Pause presentation Player/ Player Group power off/ reset	Add/ Remove/ Edit player or player group Start/ Stop/ Pause presentation Player/ Player Group power off/ reset
Presentation Distribution	Player or Player Group	Player or Player Group
Presentation Schedule	Player or Player Group	Player or Player Group
Content Management	Player or Player Group	Player or Player Group
Emergency Message	Player or Player Group	Player or Player Group
Management UI	Web	Web

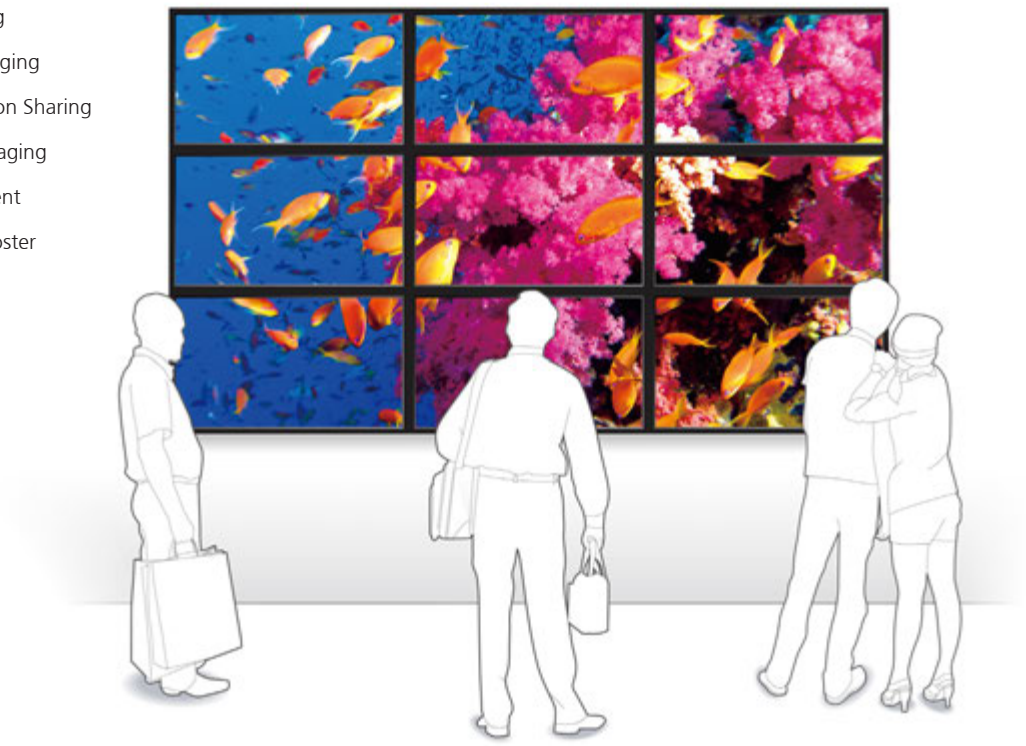
Video Wall Signage Solutions

Entertaining, Captivating and Cost-Effective Video Wall Signage Solutions

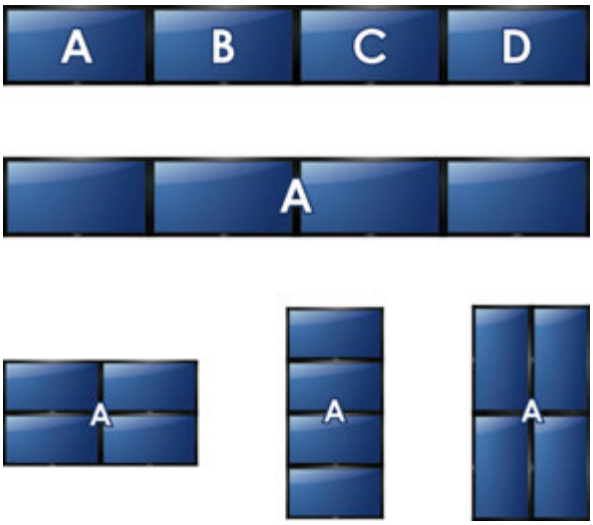
Display wall is a stunning visual contact facility. With Display wall solution, users can freely place numerous data, video or images on screen matrix to create dynamic presentations that will target audiences or dramatically enhance any area where display walls are showcased. Display wall is also a great solution to improve team collaboration and to focus their collective attention on the issues that matter with super large display in a control room or meeting room application.

Applications of video walls

- Dynamitic Advertising
- Brand Promoting
- Real-time Messaging
- Public Information Sharing
- Corporate Messaging
- Live Entertainment
- Digital Menu/ Poster



PDSB 842 is a cost-effective video wall controller solution targeting to manage small or medium size screen matrix for digital signage applications that need visualization across multiple displays.

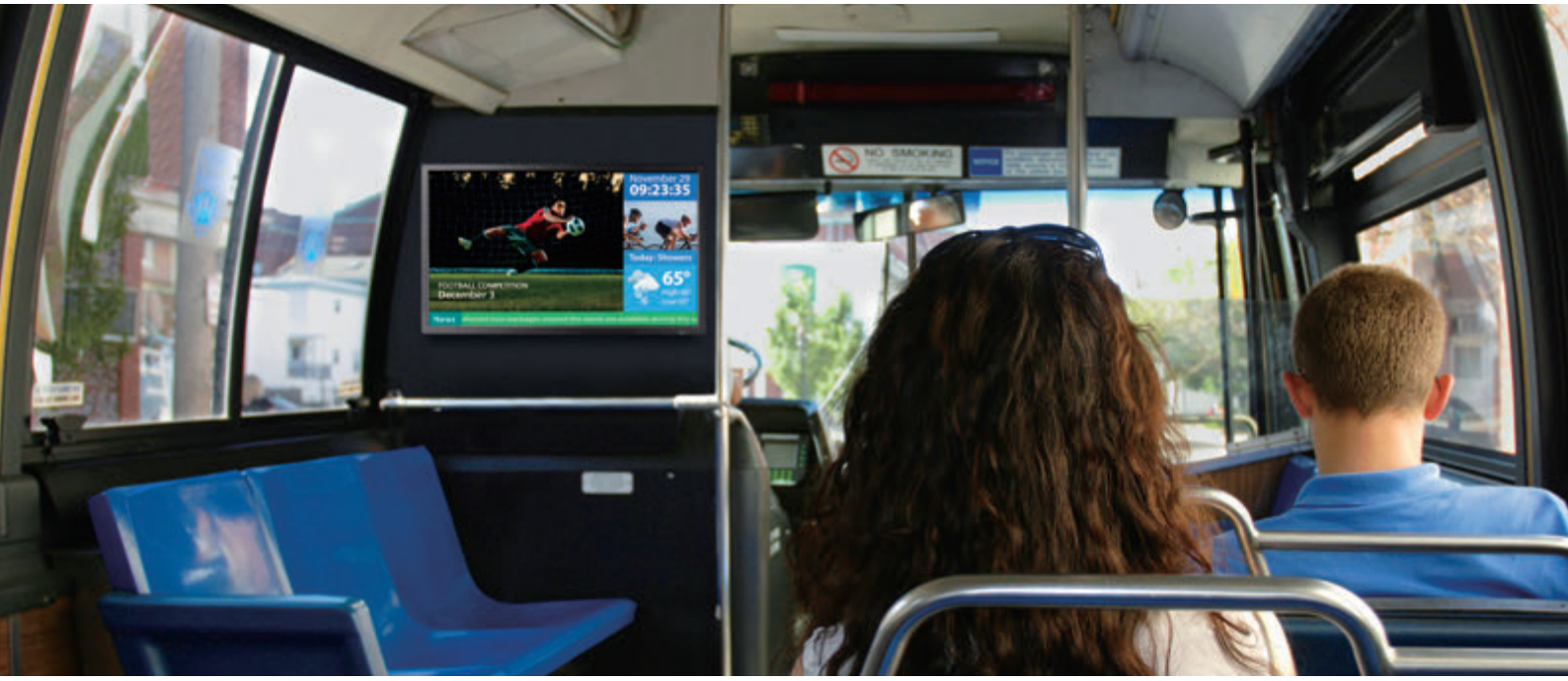


Features and Benefits

- Industrial-grade design for better reliability
- Slim and compact dimension for easy integration with large-size display devices
- Flexible screen matrix, support non-square, portrait, landscape layouts and edge overlap processing
- Hardware accelerated upscale and downscale
- Optimal configuration to handle Full HD quality of contents
- A great variety of video and audio types support
- Hardware accelerated playback of wide variety of multi-media formats

Model	
	PDSB 842
Storage	320GB HDD
LAN	x1, 10/100/1000Mbps
WLAN	Optional
Video Output	4 x HDMI
Display Resolution	5760 x 1080/ 1920 x 3240
Screen Matrix	3 Clone or 1 x 3, 3 x 1
Video Capability	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 4 x 1080p or 6 x 720p
Graphic Capability	4 x 1920 x 1080 raster image with sophisticated transition/ animated effect
Audio Output	1 x Line-out, 1 x Line-in, 1 x S/PDIF
TV Tuner	Optional
RS-232	2
USB 2.0	2
USB 3.0	4
Power Type	12V DC
Dimension (mm)	280 x 230 x 44
Content Support	Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV
Multimedia Format Support	**Video:** MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb **Audio:** MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra **Flash:** SWF, FLV **Graphic:** JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF
Streaming Protocol Support	http, mms, udp, rtp, rtsp, IPTV
Max. Number of Zones	9
Software Package	PowerDigiS V2
Management UI	Web

Passenger Signage Solutions



Provide Advertising, Lotion-based Information to Easily Attract Passengers Attention

Digital Signage is emerging as a useful tool of enhancing travel/ transportation experience from a passenger point of view, while making the process easier for transportation conductors.

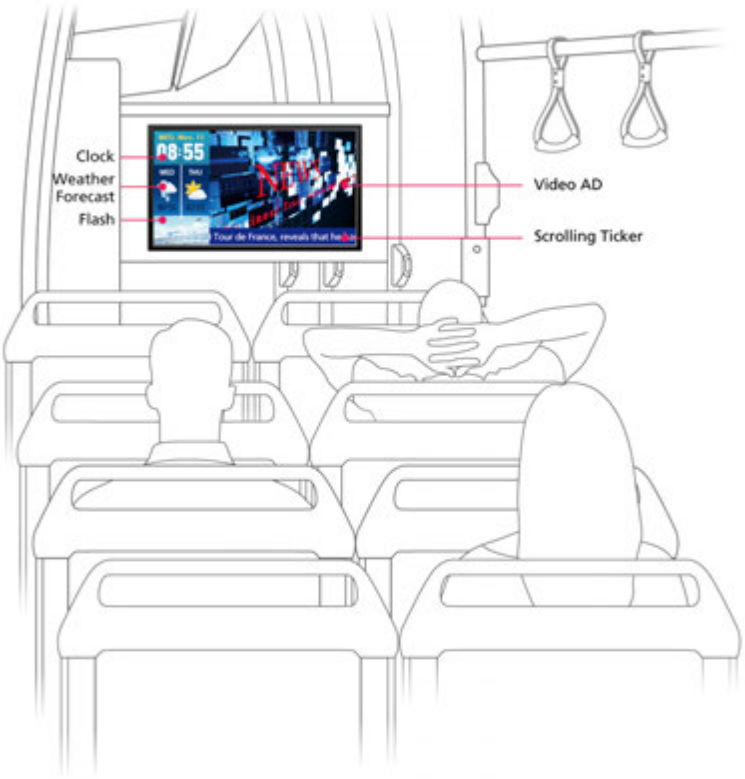
Applications of Passenger Signage Solutions

- Brand Promoting, Dynamitic Advertising at public transportation
- Real-time Messaging at public transportation
- Tourist Guidance at public transportation
- Public Information Sharing at public transportation

Hardened & Reliable PDSB Series

PDSB series, adedicated digital signage player product line with built-in PowerDigiS software, is designed for in-vehicle working environment. PDSB is compliant to most industrial serial for in-vehicle operation, e.g. e-Mark. The ultra-reliable design enables PDSB work under wide operating temperature rang and can withstand extreme levels of shock and vibration. The power ignition function and wide voltage design enables PDSB to be directly powered from a vehicle's battery. It is a perfect cost-effective solution for mobile digital signage application.

Specifically aimed at the growing market for in-vehicle digital signage, PDSB can support dual independent displays with DVI or VGA output and high-quality video, still or motion pictures, and dynamic messages.



Features and Benefits

- Industrial-grade design for better reliability
- Resilience to high vibration and temperature harsh environment
- Fan-less design for lower maintenance cost
- Flexible ignition control, easy adaption to car power system
- Slim and compact dimension for easy integration in-Vehicle environment
- Compliance to e-Mark, EN50155 industrial regulation
- Hardware accelerated playback of wide variety of media formats to lower total cost of ownership
- Flexible display output options, single or multiple screens support
- Variety of multi-media contents support
- Quick multi-media presentation design and publish
- Easy content management with wireless LAN, or 3G/3.5G radio network.
- Remote and central management support

Value Proposition

The Passenger Signage Solutions are designed in a compact form factor, yet maintaining the industrial requirements for high availability, wide operation temperature range, and high anti-vibration protection. It is compliant to in-vehicle industrial standard, like e-Mark. The integrated power ignition functions GPS and 3.5G connectivity are one of the unique points to differentiate our solutions from other products.

Model		
	PDSB 6200	**PDSB 6120**
Storage	160GB HDD	160GB HDD
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	802.11 b/g/n	802.11 b/g/n
WWLAN	built-in 3G module 1 x SIM slot	built-in 3G module 1 x SIM slot
Video Output	2 x VGA, 1 x LVDS	1 x VGA, 1 x DVI-D, 1 x LVDS
Display Resolution	1920 x 1080	1920 x 1080
Output Channel	2 Independent or Clone	2 Independent or Clone
Video Capability	**Hardware decode:** MPEG1, MPEG2 **Quality:** 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p
Graphic Capability	1920 x 1080 raster image with advanced transition/ animated effect	1920 x 1080 raster image with advanced transition/ animated effect
Audio Output	2 x Line-out	2 x Line-out
TV Tuner	Optional	Optional
RS-232	2	2
RS-485	1	1
USB 2.0	4	3
Power Type	Wide Range DC Input from 8~60V	Wide Range DC Input from 6~36V
Dimension (mm)	260 x 176 x 50	260 x 176 x 50
Content Support	Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV	
Multimedia Format Support	Audio: MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra Flash: SWF, FLV Graphic: JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF	
Streaming Protocol Support	http, mms, udp, rtp, rtsp, IPTV	http, mms, udp, rtp, rtsp, IPTV
Max. Number of Zones	9	9
Software Package	PowerDigiS V2	PowerDigiS V2
Management UI	Web	Web

Interactive Signage Solutions

Interactive Signage Solutions to Enhance Customer Interaction

Experience, engagement and interaction across a variety of media platforms with rich contents are some of the key market trends in digital signage. Interactive Signage Solutions are designed to support integration with interactive content and Event Trigger methods to bring the targeted audience closer to the advertising.

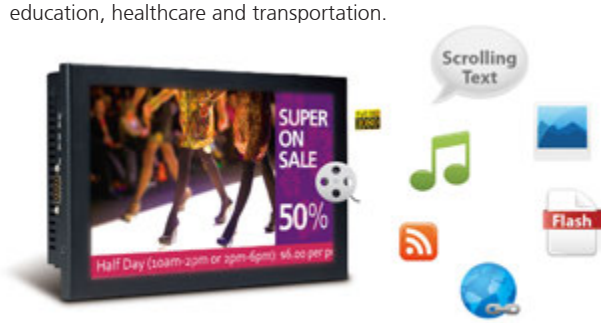
When evaluate purchases of interactive digital signage, all-in-one display is definitely one of good options for consideration. It can save abundant time to figure out the compatibilities among machines and different software, wave goodbye to annoying cables, and make it simple during installation.

Applications of Interactive Signage Solutions

- Dynamitic Advertising
- Brand Promoting
- Real-time Messaging
- Public Information Sharing
- Corporate Messaging
- Live Entertainment
- Digital Menu/ Poster

Just Plug and Pay ! PDSP Series Offers Easy Installation with High Performance of Hardware and Software Integration

PDSP series is an all-in-one approach digital signage display, which seamlessly integrated with PC-based digital signage player, high quality 16:9 LCD display, and digital signage software housed in a slim chassis. It is capable of playing Full HD 1080p video and variety of multi-media contents, including still, animated images, scrolling text, web page, and RSS news feed. Based on the energy-efficient and fan-less design, PDSP is made for ultra-reliable long-term operation. Equipped with feature-rich PowerDigiS digital signage software, PDSP is a powerful tool enabling designer to target specific audiences with imaginative and vibrant content. As such, PDSP can be deployed in a wide variety of applications such as public messaging, information sharing, facility guidance, and advertising in hospitality, retail, education, healthcare and transportation.



Features and Benefits

- All-in-one and industrial-grade design for better reliability
- Fan-less design for lower maintenance cost
- Slim and compact dimension for easy wall mount, shelf mount
- Hardware accelerated playback of wide variety of media formats to lower total cost of ownership
- Flexible options for display outputs, single or multiple screens support
- Optimal configuration to handle SD, HD, or Full HD quality of contents
- Variety of multi-media contents support
- Quick multi-media presentation design and publish
- Easy content management with LAN or wireless LAN
- Remote and central management support

Model			
	PDSP 0811	**PDSP 2121**	**PDSP 3221**
Storage	160GB HDD	160GB HDD	160GB HDD
LAN	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps	x1, 10/100/1000Mbps
WLAN	Optional	Optional	Optional
Video Output	1 x VGA	1 x VGA	1 x VGA
LCD Size	8.9" 16:9	21.5" 16:9	32" 16:9
Display Resolution	1024 x 600	1920 x 1080	1920 x 1080
Pixel Pitch	0.1905mm (H) x 0.189mm (V)	0.248mm (H) x 0.248mm (V)	0.14225mm (H) x 0.0.42675mm (V)
Luminance	220 cd/m^2	300 cd/m^2	400 cd/m^2
Contrast Ratio	500	1000	4000
Viewing Angle	50 (U), 60 (D), 70 (L), 70 (R)	80 (U), 80 (D), 85 (L), 85 (R)	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	30 ms	5 ms	6.5 ms
Output Channel	2 Clone	2 Clone	2 Clone
Video Capability	**Hardware decode:** MPEG1, MPEG2 **Software decode:** VC1, H.264 **Quality:** 1 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p	**Hardware decode:** MPEG1, MPEG2, VC1, H.264 **Quality:** 1 x 1080p or 2 x 720p
Graphic Capability	1 x 1280 x 720 raster image with advanced transition/ animated effect	1 x 1920 x 1080 raster image with advanced transition/ animated effect	1 x 1920 x 1080 raster image with advanced transition/ animated effect
Audio Output	1 x S/PDIF, 2 x Line-out	1 x Line-in; 1 x Line-out; 1 x Mic-in	1 x Line-in; 1 x Line-out; 1 x Mic-in
TV Tuner	Optional	Optional	Optional
RS-232	2	1	2
USB 2.0	2	4	4
Power Type	12V DC	12V~ 30V DC	24V DC
Dimension (mm)	225 x 139 x 53.9	506.4 x 300.6 x 64.7	753 x 442.6 x 86.1
Touch Screen	5-wire Resistive	5-wire Resistive	5-wire Resistive
Content Support	Video, Image, Flash, RSS News, Web URL, Scrolling Text, Live TV		
Multimedia Format Support	**Video:** MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb **Audio:** MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra **Flash:** SWF, FLV **Graphic:** JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF		
Streaming Protocol Support	http, mms, udp, rtp, rtsp, IPTV	http, mms, udp, rtp, rtsp, IPTV	http, mms, udp, rtp, rtsp, IPTV
Max. Number of Zones	9	9	9
Software Package	PowerDigiS V2	PowerDigiS V2	PowerDigiS V2
Management UI	Web	Web	Web

2013 New Products

NDiS B322

Fanless Embedded Computer Powered by Intel® Celeron® Processor 847

- Intel® Celeron® processors 847
- Low power consumption
- Compact and Fanless
- Intel® HD Graphics
- USB3.0 Support

NDiS B532

Fanless Embedded Computer Powered by 3rd Generation Intel® Core™ Processor, Support Dual Full HD Video Playback

- 3rd Generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Compact and Slim Design
- 3 Independent display
- USB 3.0, Dual GbE LAN support
- WLAN/ TV tuner support
- DirectX 11 support

NDiS B842

Multi-Display Embedded Computer Powered by AMD R-series Dual/ Quad Processors, Support 4 Independent HDMI Displays

- AMD R-series Platform
- AMD Radeon™ E6760 GPU
- Slim and compact design
- 4 x HDMI
- 2 x USB3.0 support
- WLAN and TV tuner support
- DirectX 11 support
- Removable Fan Module

NDiS B862

Multi-Display Embedded Computer Powered by AMD R-series Dual/ Quad Processors

- AMD R-series Platform
- AMD Radeon™ E6760 GPU
- Slim and compact design
- 6 x HDMI
- 2 x USB3.0 support
- WLAN and TV tuner support
- DirectX 11 support
- Removable Fan Module

NDiS M422

AMD Embedded G Series-Based OPS Digital Signage Platform

- AMD G Series T56N 1.65GHz Dual-Core APU
- Integrated AMD Radeon™ HD6320
- Designed compliant with open pluggable standard
- Low Power Consumption
- Easy maintenance and upgrade
- TV tuner/ WLAN support
- DirectX 11 Support

NDiS M532

Embedded Computer Powered by 3rd Generation Intel® Core™ Processor, Based OPS Digital Signage Platform

- 3rd generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Compact and slim design
- Easy maintenance and upgrade
- USB 3.0, dual GbE LAN support
- WLAN/ TV tuner support
- DirectX 11 support

PDSB 102

Digital Signage Player Powered by ARM Cortex-A8 RISC Processor

- Full HD video support
- Dual HDMI output support
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Self-contained device for easy deployment

PDSB 842

Multi-Display Embedded Digital Signage Player Powered by AMD R-series Dual/ Quad Processors, Support 4 Independent MI Displays

- Single display, four independent displays, 4x1 Display Group, 1x4 Display Group and 2x2 Display Group
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout
- Up to 6 x HD video zones or 4 Full HD video zones
- Multiple flash, pictures, and scrolling text zones

NDiS 102

Digital Signage Player Powered by ARM Cortex-A8 RISC Processor

Main Features

- On board Cortex-A8 SOC
- Full HD video support
- Fanless and slim design
- Dual HDMI output
- Mini-PCIe slot support WiFi module

Product Overview

Powered by ARM Cortex-A8 RISC MPU, NDiS 102 can play rich multi-media contents with low power consumption. NDiS 102 is enclosed in a compact chassis and can be easily integrated to display devices, such as LCD TV or PDP at site installation with dual HDMI display output, Giga LAN and WLAN support. NDiS 102 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

Specifications

Processor
- On board TI DM8148 1GHz ARM Cortex-A8 RISC MPU Up to 750-MHz c674x VLIM DSP

Memory
- Support DDR3-1333 1GB memory on board

Multi-Media
- Support SGX530 Graphic Accelerator
- Codec Engine: HDVICP2
- Media Format Support: MPEG1/2/4 ASP/SP, H.264 BL/MP/HP, VC-1 SP/MP/AP, RV9/10, AVS-1.0 and ON2 VP6.2/VP7

I/O Interface-Front
- Power Button
- Power/HDD LED
- miniPCIe LED

I/O Interface-Rear
- 2 x HDMI
- 2 x USB2.0
- 1 x RJ45 with LED, Gigabit LAN port
- 1 x RJ45 for RS232
- +12V DC-in
- 1 x Line-in
- 1 x Line-out

Storage
- 1 x SATA 3.0 connector
- 1 x 4-pin + 1 x 2 pin SATA power connector
- 1 x microSD socket

Serial Port
- 2 x COM port pin header

USB
- 1 x USB pin header

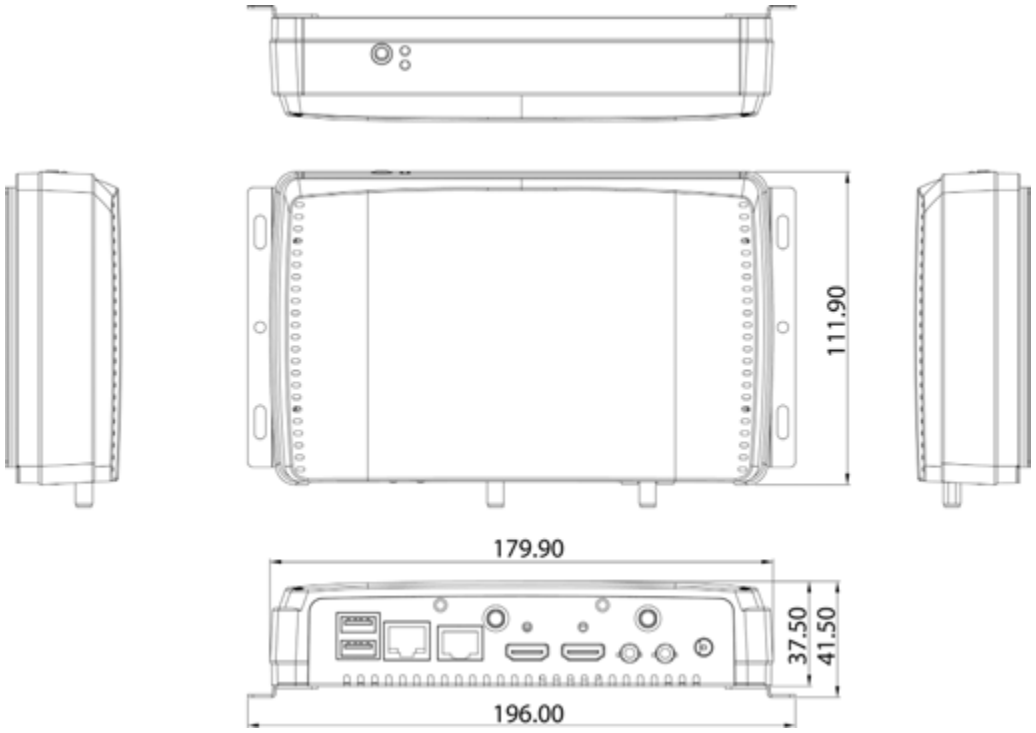
Connectivity
- One Internal accessible SIM card slot for WWAN

Expansion
- Mini-PCIe x1, support Wireless LAN module

Dimension
- 179.9mm (W) x 114.9mm (D) x 37.5mm (H) w/o mounting bracket

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Dimension Drawing



Certification

- CE approval
- FCC Class A

Operating System

- Linux 2.6.x

Ordering Information

- **NDiS 102 (P/N: 10W00010200X0)**
  TI DM8148 1GHz Cortex-A8 RISC System, BSP included

NDiS 111

Fanless Embedded Computer Powered by Intel® Atom™ E620

Main Features

- Intel® Atom™ E620 platform
- Ultra low power consumption
- Slim and fanless
- Hyper-threading support
- TV tuner/ WLAN support

Product Overview

Powered by Intel® Atom™ E620, NDiS 111 can play rich multi-media contents with low power consumption. NDiS 111 is enclosed in a compact chassis and can be easily integrated to display devices, such as LCD TV or PDP at site installation with DVI display, Giga LAN, TV tuner and WLAN support. NDiS 111 is suitable as an entry level digital signage player for advertising, messaging, and brand promotion.

Specifications

CPU Support
- Intel® Atom™ E620 600 MHz CPU onboard

Chipset
- Intel® EG20T PCH
- Intel® integrated graphic engine

Main Memory
- Onboard 1Gb DDR2 RAM

I/O Interface-Front
- 1 x LED Power-on
- 1 x LED storage
- 1 x On/Off power switch

I/O Interface-Rear
- 1 x RJ45 with LED for 10/100/1000 Mbps Ethernet
- 1 x Line-out
- 1 x DVI-D
- 2 x USB
- 2 x antenna hole for Wi-Fi and TV tuner
- 12V DC Power in

Storage
- 1 x SATA DOM socket

Expansion
- 1 x Mini-PCIe for optional TV tuner or WLAN module

Dimensions
- 179.9mm (W) x 114.9mm (D) x 37.5mm (H) w/o mounting bracket

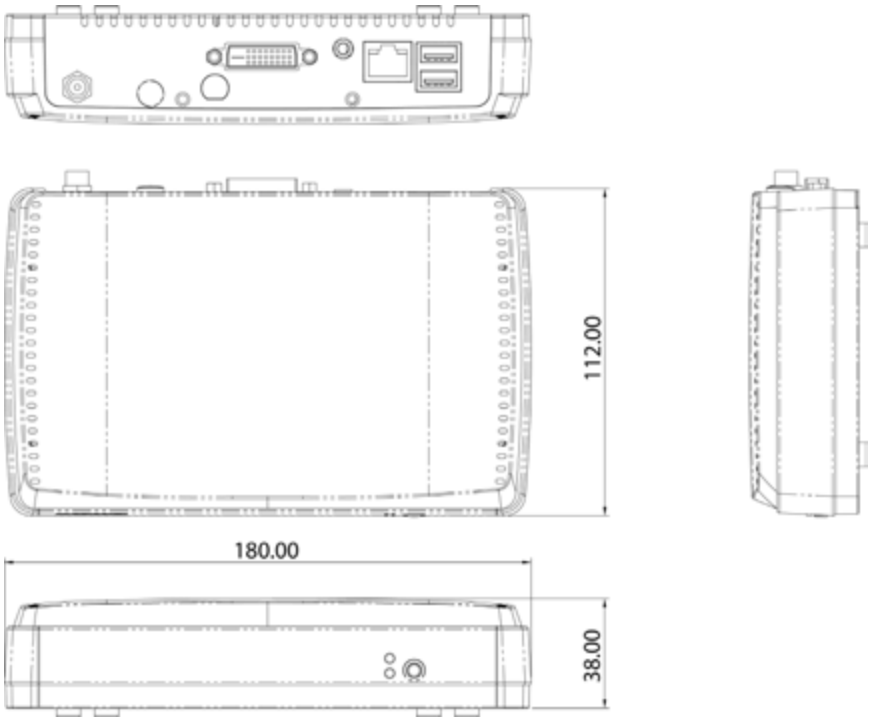
Power Supply
- 1 x External 50W AC/ DC power adaptor
  Input: 100~240V AC
  Output: +12V DC

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Windows 7 / XP / WES7 / WES2009

Dimension Drawing



Ordering Information

- **NDiS 111 (P/N: 10W00011100X0)**
  Intel® E620 processor onboard, Intel® EG20T PCH

NDiS 120

Fanless Embedded Computer Powered by Intel® Atom™ N270

Main Features

- Intel® Atom™ N270 Platform
- Low power consumption
- Slim and fanless
- Dual independent display
- Hyper-threading support
- TV tuner/ WLAN support

Product Overview

Powered by Intel® Atom™ N270 processor, NDiS 120 can play variety of multimedia contents but consumes little power. NDiS 120 supports VGA + DVI-D 2 independent display, 4 USB 2.0 ports, Mini-PCIe socket, Giga LAN and RS-232 COM port. NDiS 120 is suitable as an entry level digital signage player for advertising, hospitability, promotion activity land digital menu applications.

Specifications

CPU Support
- Intel® Atom™ N270 1.6GHz CPU onboard

Chipset
- 945GSE + ICH7M
- Intel® GMA 950 graphic engine

Main Memory
- 1 x 200-pin SO-DIMM sockets, Supports DDR2 533/400MHz non-ECC, un-buffered memory up to 2GB

I/O Interface-Front
- 1 x LED Power-on
- 1 x LED storage

I/O Interface-Rear
- 1 x DB9 RS-232 COM port
- 1 x DB15 VGA port
- 1 x DVI-D port
- 4 x USB 2.0 port
- 1 x Line-out
- 1 x Line-in
- 1 x RJ45 with LEDS for 10/100/1000 Mbps Ethernet
- 1 x Antenna hole for Wi-Fi
- 12V DC Power in

Storage
- 1 x 2.5" SATA HDD Bay

Expansion
- 1 x Mini-PCIe for optional TV tuner or WLAN module

Dimensions
- 272mm (W) x 195mm (D) x 44mm (H)
  (10.7" x 7.7" x 1.7") w/o mounting bracket

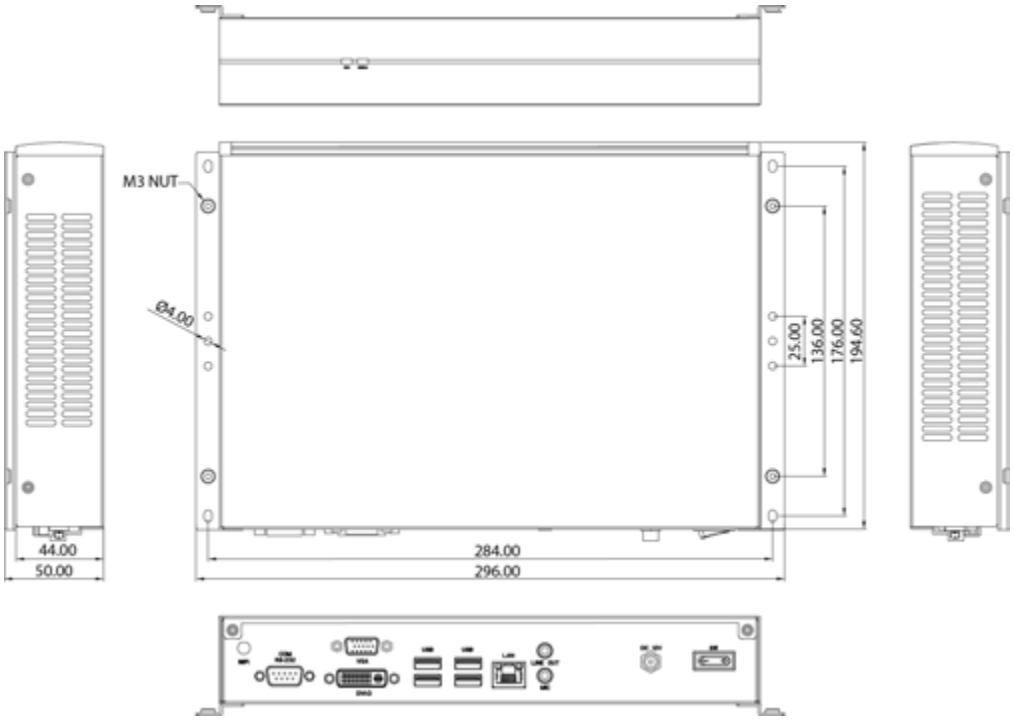
Power Supply
- 1 x External 60W AC/ DC power adaptor
  Input: 100~240V AC
  Output: +12V DC

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C (HDD inside)
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Windows 7 / XP / WES7 / WES2009 / Linux

Dimension Drawing



Ordering Information

- **NDiS 120 (P/N: 10W00012000X0)**
  Intel® N270 processor onboard
  Intel® 945GSE/ ICH7M

NDiS 125-L

Fanless Embedded Computer Powered by Intel® Atom™ D525

Main Features

- Intel® Atom™ D525 platform
- Low power consumption
- Compact and fanless
- Powerful NVIDIA ION2 GPU
- Hyper-threading support

Product Overview

Powered by Intel® Atom™ D525 processor, NDiS 125-L can handle very rich multimedia contents. With Intel® Atom™ processor low power consumption feature, NDiS 125-L supports display output by VGA and HDMI ports. NDiS 125-L is ideal as entry level digital signage player for advertising, hospitality and brand promotion application.

Specifications

CPU Support
- Intel® Atom™ Dual Core D525 1.8GHz CPU onboard

Chipset
- Intel® NM10 Express Chipset

Graphics
- NVIDIA ION2

Main Memory
- 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066/800MHz non-ECC, un-buffered memory up to 4GB

I/O Interface-Front
- 2 x USB2.0

I/O Interface-Rear
- 19V DC Power in
- 1 x VGA
- 2 x USB 2.0
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Audio-out
- 1 x HDMI
- 1 x Mic-in

Storage
- 1 x 2.5" SATA HDD Bay

Dimensions
- 250 mm (W) x 194 mm (D) x 40 mm(H)
  (9.9" x 7.6" x 1.6") w/o mounting bracket

Power Supply
- 1 x External 65W AC/ DC power adapter

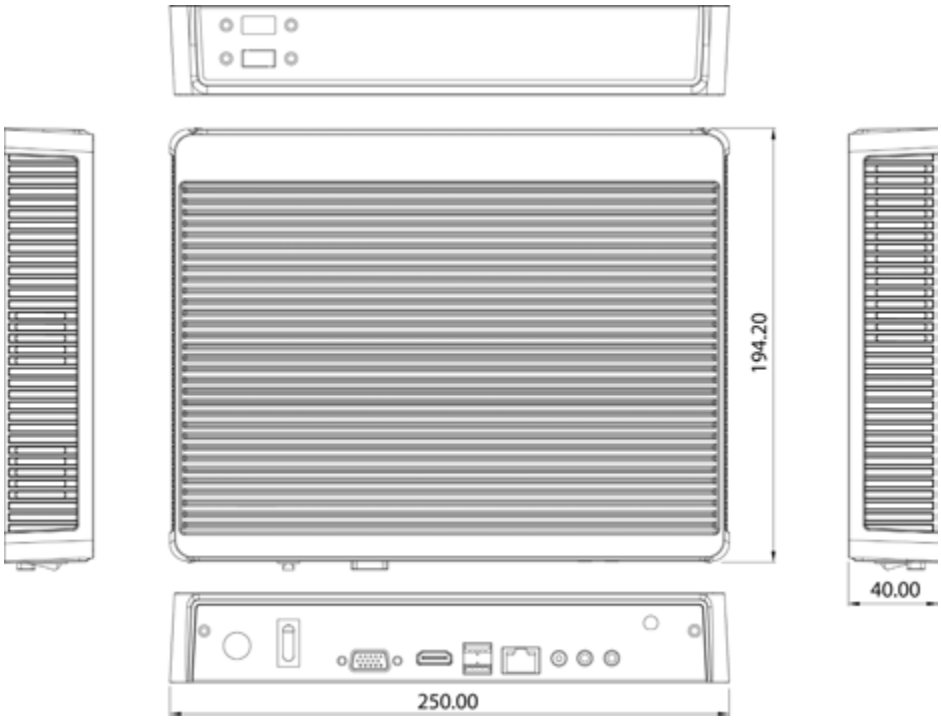
Expansion
- 1 x USB interface 802.11 b/g/n WLAN module (optional)

Environment
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Windows 7 / XP / WES7 / WES2009 / Linux

Dimension Drawing



Ordering Information

- **NDiS125-L-LED (P/N: 10W00012507X0)**
  Intel® Atom™ Dual Core D525 processor onboard
  NVIDIA ION2 chipset

NDiS 126

Fanless Embedded Computer Powered by Intel® Atom™ Processor D2700 Support Full HD Video Playback

Main Features

- Intel® Atom™ processor D2700
- Low power consumption
- Compact and fanless
- Dual GbE LAN
- Hyper-threading support
- Intel® GMA 3650 integrated graphic engine

Product Overview

Powered by Intel® Atom™ processor D2700, NDiS 126 has enhanced graphics capabilities to playback HD video with low power consumption. NDiS 126 provides various options of video and audio outputs, dual GbE Ethernet with optional wireless connectivity, SIM Card slot for 3.5G radio connectivity.

Compact and fanless design makes the NDiS 126 an ideal choice for digital signage platforms adapted to almost any environment. NDiS 126 works perfectly for advertising, brand promotion and digital menu board application.

Specifications

CPU Support
- Intel® Atom™ processor D2700 2.13GHz onboard

Chipset
- Intel® NM10 Express chipset

Graphics
- Intel® GMA 3650 integrated graphic engine

Main Memory
- 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066/800MHz non-ECC, un-buffered memory up to 4GB

I/O Interface-Front
- ATX power on switch
- 1 x power status LED (green)
- 1 x HDD status LED (red)
- 4 x USB 2.0 ports
- 1 x external SIM card holder
- 1 x antenna holes
- 1 x serial port (RS-232)

I/O Interface-Rear
- +12V DC-in
- 1 x HDMI
- 1 x additional output (VGA/ HDMI)
- 2 x USB 2.0 ports
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-out(NDiS 126V/NDiS126H)
- 1 x Line-in (NDiS 126V)

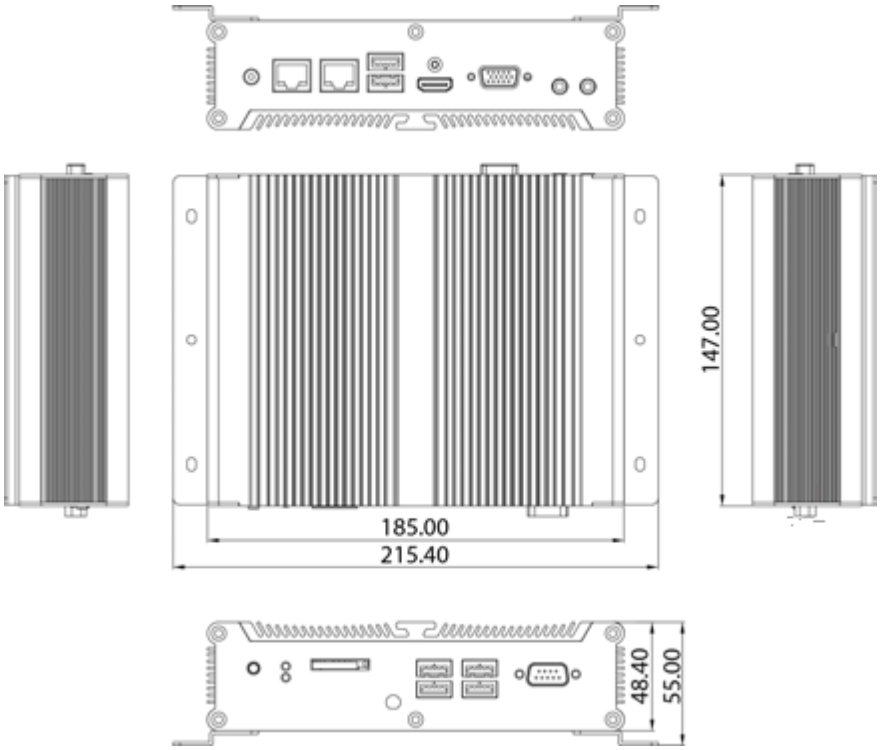
Storage
- 1 x SATA 2.5" HDD

Dimensions
- 185mm (W) x 147mm (D) x 48.4mm (H) (7.3"x 5.8"x 1.9") w/o wall mount bracket

Power Supply
- 1 x External 50W AC/ DC power adapter
  Input: 100~240VAC
  Output: +12VDC

Expansion
- 1 x Mini-PCIe for optional WLAN/ TV tuner module

Dimension Drawing



Environment

- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification

- CE approval
- FCC Class A

Operating System

- Windows 7 (32Bit) / WES7 (32Bit)

Ordering Information

- **NDiS 126 (P/N: 10W00012600X0)**
  Intel® Atom™ processor D2700, Intel® NM10 Express chipset, 1 x HDMI Output
- **NDiS 126H (P/N: 10W00126H00X0)**
  Intel® Atom™ processor D2700, Intel® NM10 Express chipset, 2 x HDMI Output
- **NDiS 126V (P/N: 10W00126V00X0)**
  Intel® Atom™ processor D2700, Intel® NM10 Express chipset, 1 x HDMI, 1 x VGA Output

NDiS 127

Fanless Digital Signage Player Powered by AMD G-series APU

Main Features

- AMD G-series T56N 1.65GHz Dual Core APU
- Integrated AMD Radeon™ HD6320 GPU
- Fanless and compact design
- Low power consumption
- 2 x Mini-PCIe slot for TV tuner/ WLAN support
- 4 x USB ports
- DirectX 11 support

Product Overview

Powered by AMD G-series T56N Dual Core Accelerated Processing Unit, NDiS 127 can play rich multimedia contents but consumes little power. Integrated with AMD Radeon™ HD6320 Graphic Processing Unit in APU, NDiS 127 supports 1080P video playback and DirectX 11 to demonstrate high impact contents through dual displays.

NDiS 127 is housed in a maintenance-free fanless chassis with compact size. NDiS 127 is designed to fulfill small form factors, low cost, high reliability and low power requriement in digital signage application.

Specifications

CPU Support
- AMD G-series Dual Core processor T56N 1.65GHz onboard
- AMD Radeon™ HD6320 GPU in processor

Chipset
- AMD A55E Controller Hub

Main Memory
- 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066/800MHz non-ECC, un-buffered memory up to 4GB

I/O Interface-Front
- ATX power on switch
- 1 x HDD status LED (yellow)
- 1 x power status LED (green)

I/O Interface-Rear
- +12V DC-in
- 1 x DB9 for RS-232
- 4 x USB
- 1 x RJ45 Gigabit LAN connector with LED
- 1 x Line-out/ 1x Mic-in
- 1 x HDMI
- 1 x DB15 VGA
- 2 x antenna hole for Wi-Fi or TV tuner module

Storage
- 1 x SATA 2.5" HDD

Dimensions
- 185mm (W) x 147mm (D) x 48.4mm (H)
  (7.1"x 5.7"x 1.9") w/o wall mount bracket

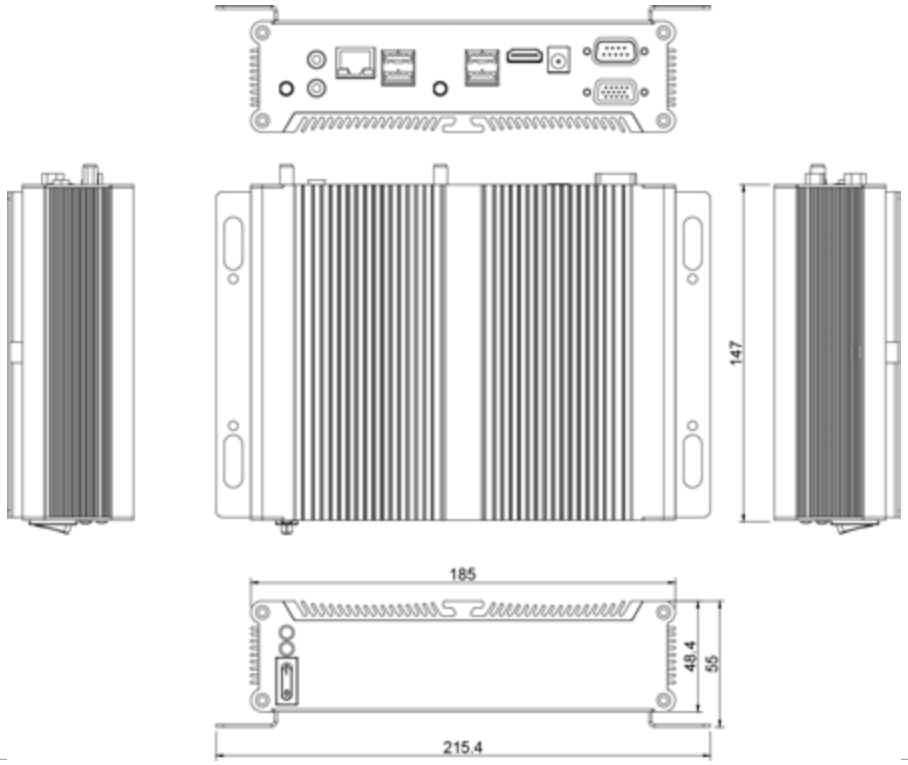
Power Supply
- 1 x External 50W AC/ DC power adapter
  Input: 100~240VAC
  Output: +12VDC

Expansion
- 1 x Full Mini-PCIe for optional WLAN/ TV tuner module
- 1 x half Mini-PCIe for optional WLAN/ TV tuner module

Environment
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Dimension Drawing



Operating System

- Windows 7 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS 127 (P/N: 10W0012700X0)**
  AMD G-series Dual Core processor T56N 1.65GHz, AMD Radeon™ HD6320 GPU in processor, AMD A55E Controller Hub

NDiS B322

Fanless Embedded Computer Powered by Intel® Celeron® Processor 847

Main Features

- Intel® Celeron® processors 847
- Low power consumption
- Compact and Fanless
- Intel® HD Graphics
- USB3.0 Support

Product Overview

Powered by Intel® Celeron® processors 847 processor, NDiS B322 can handle very rich multimedia contents. With Intel® Celeron® processor low power consumption feature, NDiS B322 supports display output by VGA and HDMI ports. NDiS B322 is ideal as entry level digital signage player for advertising, hospitality and brand promotion application.

Specifications

CPU Support
- Intel® Celeron® Processor 847, Dual-Core, 1.1G, 17W

Chipset
- Intel® NM70 Express Chipset

Graphics
- Intel® HD Graphics

Main Memory
- 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066/800MHz non-ECC, un-buffered memory up to 8GB

I/O Interface-Front
- 1 x USB3.0
- 1 x USB2.0

I/O Interface-Rear
- 19V DC Power in
- 1 x VGA
- 2 x USB 2.0
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Audio-out
- 1 x HDMI
- 1 x Mic-in

Storage
- 1 x 2.5" SATA HDD Bay

Dimensions
- 250 mm (W) x 194 mm (D) x 40 mm(H) (9.9" x 7.6" x 1.6") w/o mounting bracket

Power Supply
- 1 x External 65W AC/ DC power adapter

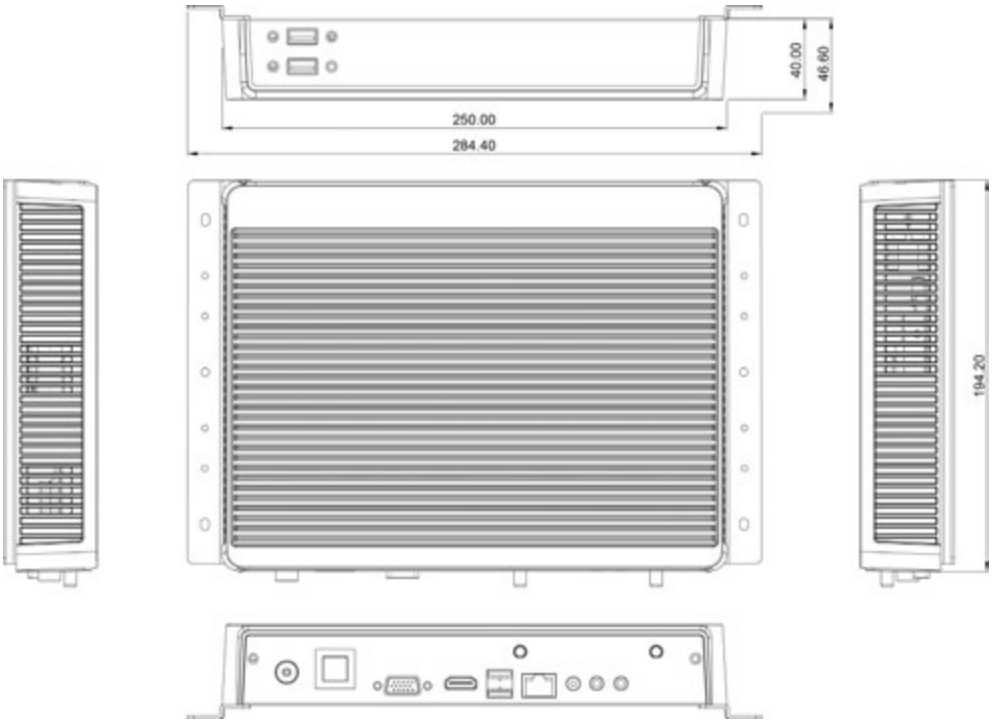
Expansion
- 1 x Half Mini PCI-E interface 802.11 b/g/n WLAN module (optional)

Environment
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Windows7 / Windows 8 / XP / WES7 / WES2009 / Linux

Dimension Drawing



Ordering Information

- **NDiS B322 (P/N: 10W00B32200X0)**
  Intel® Celeron® Processor 847, Dual-Core, 1.1G, 17W

NDiS 163

Fanless Embedded Computer Powered by Intel® Core™ 2 Duo/Celeron® M, Support Full HD Video Playback

Main Features

- Intel® Core™ 2 Duo/ Celeron® platform
- Intel® GM 4500MHD graphic engine
- Compact and fanless
- Dual independent display
- WLAN and TV tuner support

Product Overview

NDiS 163 is specially designed to be mounted behind the large-size display device such as LCD TV or PDP. NDiS 163 supports dual display output by DVI, HDMI or VGA. The NDiS 163 operates on Intel® Core™ 2 Duo, Celeron® family processors with 1066/667 MHz, GM45 integrated graphics controller. NDiS 163 can smoothly playback variety of Full HD video. NDiS 163 is ideal as advanced digital signage player for advertising, hospitality, brand promotion and digital menu board application.

Specifications

CPU Support
- Intel® Core™ 2 Duo/ Celeron® family processors with 1066/ 667 MHz

Chipset
- Intel® GM45
- Intel® 82801IBM I/O controller Hub

Main Memory
- 2 x 240-pin DIMM sockets, Supports DDR3 1066/800/667MHz non-ECC, un-buffered memory up to 8GB (Single socket max. 4GB)

I/O Interface-Front
- 2 x USB 2.0
- 2 x RS-232
- GPIO terminal port (4 in, 4 out)

I/O Interface-Side
- 1 x +12V DC-in
- 2 x LED for PW & HDD
- 1 x On/Off power switch
- 1 x VGA
- 1 x DVI-D
- 1 x HDMI
- 2 x USB 2.0
- 1 x RJ45 with LED for 10/100/1000Mbps Ethernet
- 1 x SPDIF
- 1 x Line-out
- 2 x Antenna hole for Wi-Fi & TV tuner

Storage
- 1 x SATA 2.5" HDD bay
- 1 x SATA DOM socket

Expansion Slot
- 1 x Mini-PCIe for optional Wireless LAN module
- 1 x Mini-PCIe for optional TV tunner module

Dimensions
- 280mm (W) x 210mm (D) x 40.4mm (H)
  (11" x 8.3" x 1.6") w/o mounting bracket

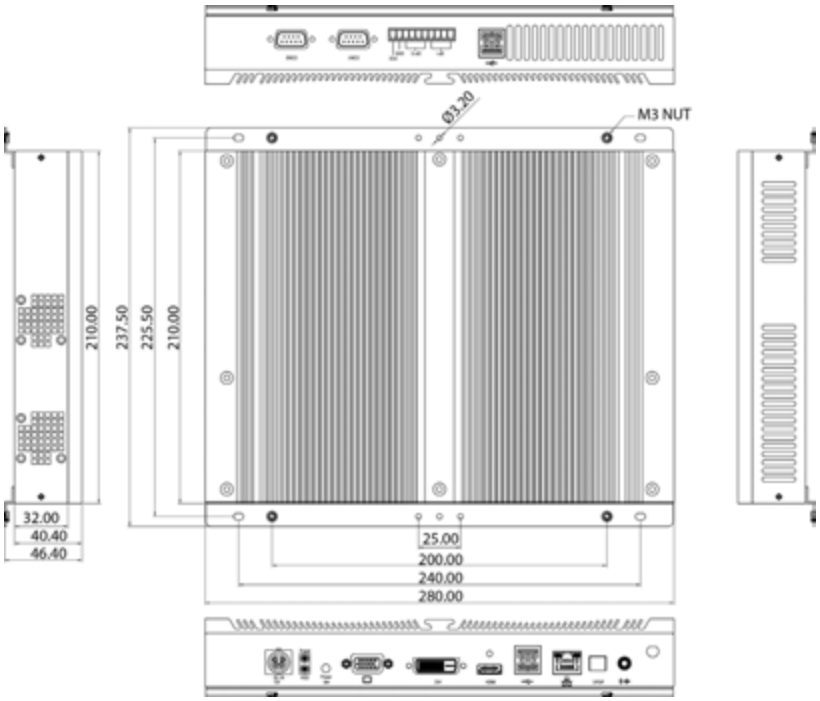
Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

Power Supply
- 1 x External 96W AC/ DC power adapter
  Input: 100~240V AC
  Output: +12V DC

Environment
- Operating temperatures: 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Dimension Drawing



Operating System

- Windows 7 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS 163 (P/N: 10W00016300X0)**
  Intel® Core™ 2 Duo, Celeron® family processors
  Intel® GM 45/ Intel® ICH9-M

NDiS 165

Embedded Computer Powered by AMD R-series Dual/ Quad Processors, Support 3 Independent HDMI Displays

Main Features

- AMD R-series Platform
- Slim and compact design
- 3 x HDMI
- Removable Fan Module
- 2 x USB3.0 support
- WLAN and TV tuner support
- DirectX 11 support

Product Overview

NDiS 165 player is a powerful digital signage player which is built around the superb technology of AMD embedded R-Series APU family. The digital signage player can offer impressive system performance and full HD videos. With support for smooth 1080P video playback on the three independent displays, the 1080P signage player can fully satisfy customer's expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.

Specifications

CPU Support
- AMD R-series Dual/ Quad processors

Chipset
- AMD Hudson-M3 A70M Fusion Controller Hub
- AMD Integrated Radeon 7000 Series GPU

Main Memory
- 2 x 204-pin SO-DIMM sockets, Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (Single socket max. 8GB)

I/O Interface-Front
- 1 x HDD LED
- 1 x Power LED

I/O Interface-Rear
- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB3.0
- 2 x USB2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 3 x HDMI
- 3 x antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

Storage Device
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

Expansion
- 1 x Mini-PCIe for optional WLAN module
- 1 x Mini-PCIe for optional TV tuner module

Dimensions
- 280mm (W) x 230mm (D) x 44mm(H) (11.0" x9.0" x 1.7") w/o mounting bracket

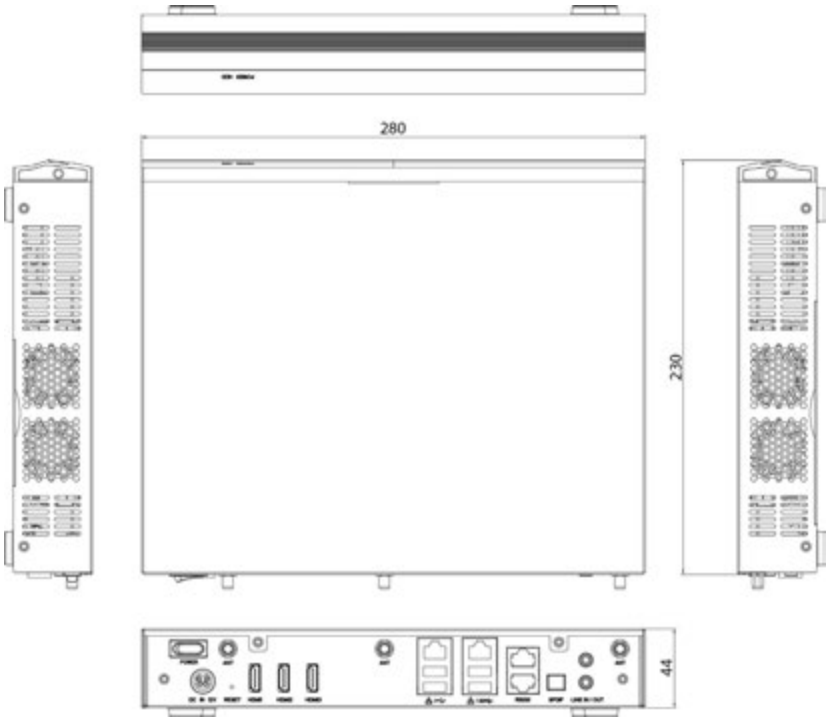
Power Supply
- External 96W AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Stroage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Windows 7 / WES7 / Windows 8 / Linux

Dimension Drawing



Ordering Information

- **NDiS 165 (P/N: 10W00016500X0)**
  AMD R-series Dual/ Quad processors, AMD Hudson-M3 A70M chipset

NDiS 166

Fanless Embedded Computer Powered by 2nd Generation Intel® Core™ Processor, Support Dual Full HD Video Playback

Main Features

- 2nd generation Intel® Core™ processor family platform
- Intel® integrated graphics engine
- Intel® AMT 7.0 Support
- Dual independent display
- Dual Gbe LAN
- WLAN/ TV tuner support

Product Overview

NDiS 166 is specially designed to be mounted behind the large-size display device such as LCD TV or PDP. NDiS 166 supports dual display output by DVI, HDMI or VGA. The NDiS 166 operates on 2nd generation Intel® Core™ Processor Family with QM67 integrated graphics controller. NDiS 166 can smoothly playback dual Full HD video. NDiS 166 is ideal as advanced digital signage player for advertising, hospitality, brand promotion and digital menu board application.

Specifications

CPU Support
- 2nd generation Intel® Core™ rPGA socket type processor

Chipset
- Intel® QM67
- Intel® integrated graphics

Main Memory
- 2 x 240-pin DIMM sockets, Supports DDR3 1333/1066MHz non-ECC, un-buffered memory up to 16GB (Single socket max. 8GB)

I/O Interface-Front
- 2 x USB 2.0
- 2 x RS-232
- 1 x On/Off power switch
- 2 x LED for PW and HDD

I/O Interface-Rear
- 1 x +12V DC-in
- 1 x VGA
- 1 x DVI-D
- 1 x HDMI
- 2 x USB 2.0
- 2 x RJ45 with LED for 10/100/1000 Mbps Ethernet
- 1 x SPDIF
- 1 x Line-out/ 1 x Line-in
- 2 x Antenna hole for Wi-Fi and TV tuner

Storage
- 1 x 2.5" SATA HDD bay

Expansion
- 1 x Mini-PCIe for optional wireless LAN module
- 1 x Mini-PCIe for optional TV tuner module

Dimensions
- 250mm (W) x 194mm (D) x 40mm (H)
  (9.8" x 7.6" x 1.6") w/o mounting bracket

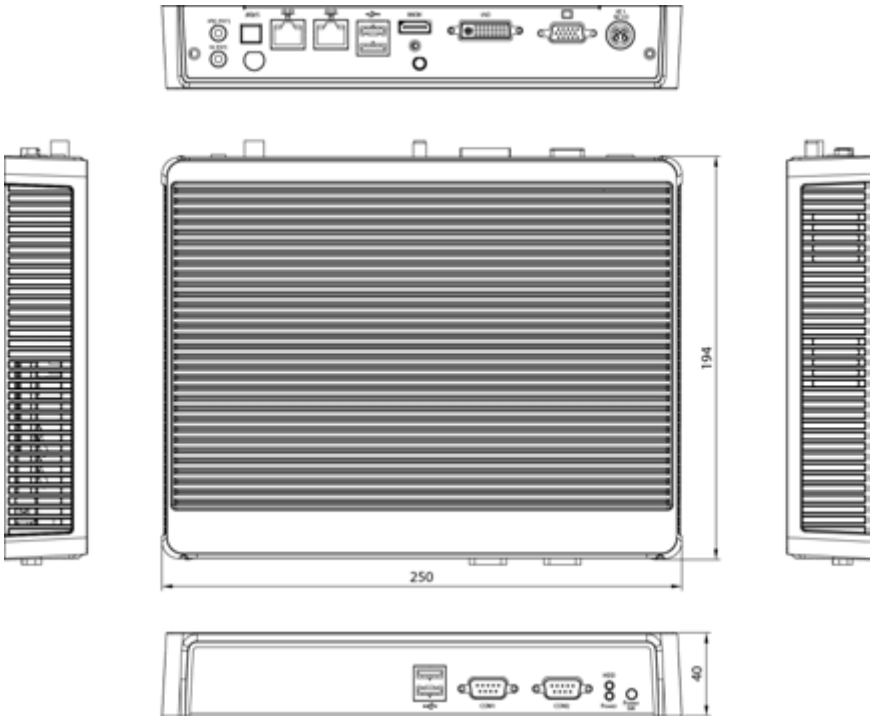
Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

Power Supply
- 1 x External 80W AC/ DC power adaptor
  Input: 100~240V AC
  Output: +12V DC

Environment
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Dimension Drawing



Operating System

- Windows7 / Windows 8 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS 166 (P/N: 10W00016600X0)**
  2nd generation Intel® Core™ processor (up to 35W) fanless system, Intel® QM67 chipset
- **NDiS 166F (P/N: 10W00016601X0)**
  2nd generation Intel® Core™ processor (up to 45W) system, Intel® QM67 chipset

NDiS 167

Embedded Computer Powered by 3rd Generation Intel® Core™ Processor, Support Dual Full HD Video Playback

Main Features

- 3rd Generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Intel® AMT 8.0 Support
- 3 Independent display
- USB 3.0, Dual GbE LAN support
- WLAN/ TV tuner support
- DirectX 11 support

Product Overview

NDiS 167 Ivy Bridge player is a powerful digital signage player which is built around the superb technology of 3rd generation Intel® Core™ processor family series and QM77 integrated graphics controller. The digital signage player can offer impressive system performance and full HD videos. With support for smooth 1080P video playback on three independent displays, the 1080P signage player can fully satisfy customer's expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.

Specifications

CPU Support
- 3rd generation Intel® Core™ rPGA socket type processor

Chipset
- Intel® QM77
- Intel® integrated HD4000 graphic engine

Main Memory
- 2 x 240-pin DIMM sockets, Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (Single socket max. 8GB)

I/O Interface-Front
- 1 x power status LED
- 1 x HDD status LED
- 1 x power switch
- 1 x reset switch
- 2 x USB3.0
- 2 x DB9 for RS-232

I/O Interface-Rear
- +12V DC-in
- 1 x Display port
- 1 x DVI-I
- 1 x HDMI
- 2 x USB3.0
- 2 x RJ45 with LED for 10/100/1000Mbs Ethernet
- 1 x SPDIF
- 1 x Line-in/ 1x Line-out
- 3 x antenna hole for Wi-Fi and TV tuner

Storage
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

Expansion
- 1 x Mini-PCIe for optional WLAN module
- 1 x Mini-PCIe for optional TV tuner module

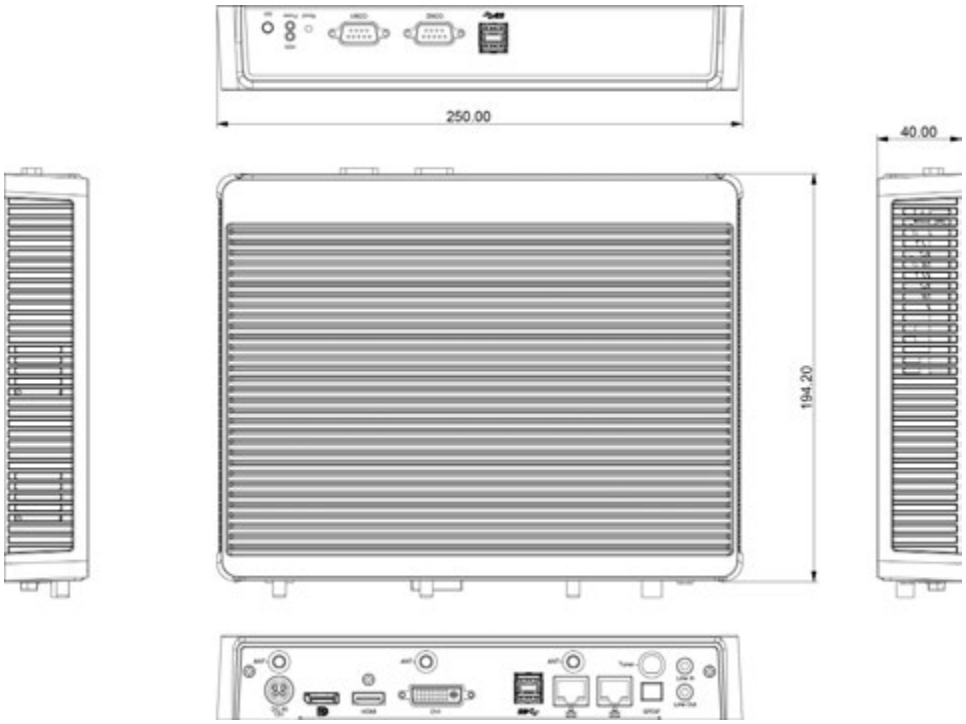
Dimensions
- 250mm (W) x 194mm (D) x 40mm (H)
  (9.9" x 7.6" x 1.6") w/o mounting bracket

Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

Power Supply
- 1 x External 80W AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Environment
- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Dimension Drawing



Certification

- CE approval
- FCC Class A

Operating System

- Windows7 / Windows 8 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS 167 (P/N: 10W00016700X0)**

  3rd generation Intel® Core™ processor (up to 35W) system, Intel® QM77 chipset

NDiS B532

Fanless Embedded Computer Powered by 3rd Generation Intel® Core™ Processor, Support Dual Full HD Video Playback

Main Features

- 3rd Generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Compact and Slim Design
- 3 Independent display
- USB 3.0, Dual GbE LAN support
- WLAN/ TV tuner support
- DirectX 11 support

Product Overview

NDiS B532 is a powerful digital signage player which is built around the superb technology of 3rd generation Intel® Core™ processor family series and QM77 integrated graphics controller. The digital signage player can offer impressive system performance and full HD videos. With support for smooth 1080P video playback on three independent displays, the 1080P signage player can fully satisfy customer's expectation and therefore be used in applications such as advertising, hospitality, brand promotion and digital menu board.

Specifications

CPU Support
- 3rd generation Intel® Core™ rPGA socket type processor

Chipset
- Intel® QM77
- Intel® integrated HD4000 graphic engine

Main Memory
- 2 x 204-pin SO-DIMM sockets , Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (Single socket max. 8GB)

I/O Interface-Front
- 1 x power status LED
- 1 x HDD status LED
- 1 x power switch
- 1 x reset switch
- 2 x USB3.0
- 2 x DB9 for RS-232

I/O Interface-Rear
- +12V DC-in
- 3 x HDMI
- 2 x USB3.0
- 2 x RJ45 with LED for 10/100/1000Mbs Ethernet
- 1 x SPDIF
- 1 x Line-in/ 1x Line-out
- 3 x antenna hole for Wi-Fi and TV tuner

Storage
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

Expansion
- 1 x Mini-PCIe for optional WLAN module
- 1 x Mini-PCIe for optional TV tuner module

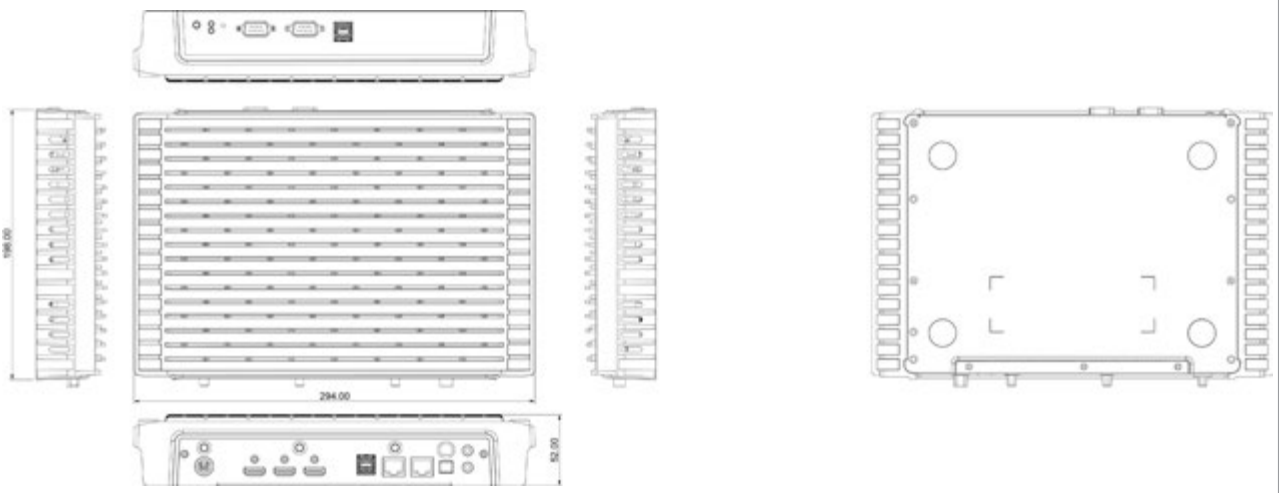
Data Protection
- 1 x Wafer on board for TPM module (ver. 1.2), support Intel Trusted Execution Technology

Construction
- Top cover made by aluminum for main heat exchange
- Chassis made by steel in black

Dimensions
- 294 mm (W) x 198 mm (D) x 52 mm(H) (11.6" x 7.8" x 2.0") w/o mounting bracket

Power Supply
- 1 x External 96W AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Dimension Drawing



Environment

- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification

- CE approval
- FCC Class A

Operating System

- Windows7 / Windows 8 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS B532 (P/N: 10W00B53200X0)**
  3rd generation Intel® Core™ processor (up to 35W) fanless system, Intel® QM77 chipset

NDiS B842

Multi-Display Embedded Computer Powered by AMD R-series Dual/ Quad Processors, Support 4 Independent HDMI Displays

Main Features

- AMD R-series Platform
- AMD Radeon™ E6760 GPU
- Slim and compact design
- 4 x HDMI
- 2 x USB3.0 support
- WLAN and TV tuner support
- DirectX 11 support
- Removable Fan Module

Product Overview

NDiS B842 is specifically designed to address the need for application to present high quality contents on multiple displays. NDiS N842 provides six independent HDMI and dual USB3.0 and dual GbE Ethernet with optional WLAN. Powered by AMD Embedded R-Series APU and AMD E6760 GPU, NDiS B842 can smoothly playback multiple Full HD videos. NDiS B842 is an advanced media player for any applications to demonstrate high quality and high impact contents over multiple displays.

Specifications

CPU Support
- AMD R-series Dual/ Quad processors

Chipset
- AMD Hudson-M3 A70M Fusion Controller Hub
- AMD Radeon™ E6760 GPU

Main Memory
- 2 x 204-pin SO-DIMM sockets, Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (Single socket max. 8GB)

I/O Interface-Front
- 1 x HDD LED
- 1 x Power LED

I/O Interface-Rear
- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB3.0
- 2 x USB2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 4 x HDMI
- 3 x antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

Storage
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

Expansion
- 1 x Mini-PCIe for optional WLAN module
- 1 x Mini-PCIe for optional TV tuner module

Dimensions
- 280mm (W) x 230mm (D) x 44mm (H) (11.0" x9.0" x 1.7") w/o mounting bracket

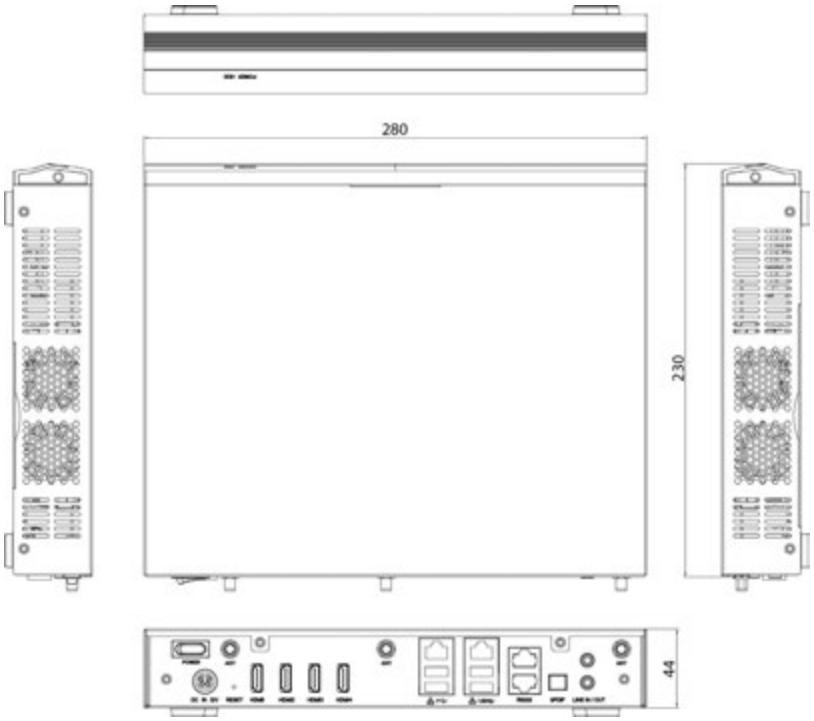
Power Supply
- External 120W AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Stroage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Windows 7 / WES7 / Windows 8 / Linux

Dimension Drawing



Ordering Information

- **NDiS B842 (P/N: 10W00B84200X0)**
  AMD R-series Dual/ Quad processors, AMD Hudson-M3 A70M chipset
  AMD Radeon™ E6760 GPU

NDiS B862

Multi-Display Embedded Computer Powered by AMD R-series Dual/ Quad Processors

Main Features

- AMD R-series Platform
- AMD Radeon™ E6760 GPU
- Slim and compact design
- 6 x HDMI
- 2 x USB3.0 support
- WLAN and TV tuner support
- DirectX 11 support
- Removable Fan Module

Product Overview

NDiS B862 is specifically designed to address the need for application to present high quality contents on multiple displays. NDiS N862 provides six independent HDMI and dual USB3.0 and dual GbE Ethernet with optional WLAN. Powered by AMD Embedded R-Series APU and AMD E6760 GPU, NDiS B862 can smoothly playback multiple Full HD videos. NDiS B862 is an advanced media player for any applications to demonstrate high quality and high impact contents over multiple displays.

Specifications

CPU Support
- AMD R-series Dual/ Quad processors

Chipset
- AMD Hudson-M3 A70M Fusion Controller Hub
- AMD Radeon™ E6760 GPU

Main Memory
- 2 x 204-pin SO-DIMM sockets, Supports DDR3 1600/1333MHz non-ECC, un-buffered memory up to 16GB (Single socket max. 8GB)

I/O Interface-Front
- 1 x HDD LED
- 1 x Power LED

I/O Interface-Rear
- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB3.0
- 2 x USB2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 6 x HDMI
- 3 x antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

Storage
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

Expansion
- 1 x Mini-PCIe for optional WLAN module
- 1 x Mini-PCIe for optional TV tuner module
- Dimensions
- 280mm (W) x 230mm (D) x 44mm (H) (11.0" x9.0" x 1.7") w/o mounting bracket

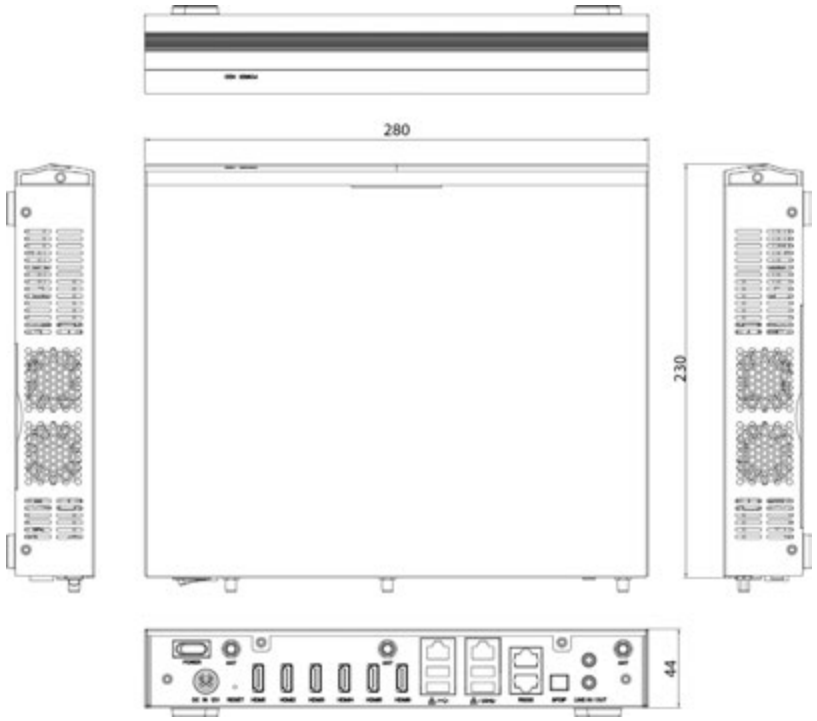
Power Supply
- External 120W AC/ DC adapter
- Input: 100~240VAC
- Output: +12VDC

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Stroage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Operating System
- Windows 7 / WES7 / Windows 8 / Linux

Dimension Drawing



Ordering Information

- **NDiS B862 (P/N: 10W00B86200X0)**
  AMD R-series Dual/ Quad processors, AMD Hudson-M3 A70M chipset
  AMD Radeon™ E6760 GPU

NDiS OPS-M50

2nd Generation Intel® Core™ -Based OPS Digital Signage Platform

Support COM Express Type II Module

Main Features

- Embedded Intel® Core™ i5-2515E Dual Core processor
- Intel® HD integrated graphics 3000
- Designed compliant with open pluggable standard
- COM Express architecture, easy scalability
- Slot-in integration, easy maintenance
- Supports TMDS, UART, and USB2.0 via JAE 80-pin connector
- TV tuner/ WLAN support

Product Overview

NDiS OPS-M50 is specifically designed to be compliant with OPS (Open Pluggable Standard). NDiS OPS-M50 provides COM Express architecture slot with optional COM Express Type II module scalability, slide in 2.5" SATA Slim SSD for storage. NDiS OPS-M50 operates on high performance Intel® Core™ i5-2515E Dual Core processor. NDiS OPS-M50 is powerful media player for digital signage applications demonstrate high impact contents in compact size and perfect match with panel.

Specifications

COM Express Board
- NEXCOM ICES-267S COM Express Card

CPU Support
- Onboard Intel® Core™ i5-2515E Dual Core processor

Chipset
- Intel® QM67/ HM65 PCH

Graphic
- Intel® HD graphics 3000
- Intel dynamic video memory allocation

Main Memory
- 1 x 204-pin SO-DIMM sockets, Supports DDR3 1333/1066MHz non-ECC , un-buffered memory up to 8GB

I/O Interface-Front
- 1 x Power status LED (Green)
- 1 x HDD status LED (Yellow)
- 1 x Power button
- 1 x Reset button
- 1 x DB9 for RS-232
- 2 x USB port
- 1 x Audio Line-in
- 1 x Audio Line-out
- 1 x VGA port (DB15)
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 2 x Antenna hole for Wi-Fi or TV tuner module

I/O Interface-Rear (OPS Standard Signal)
- Standard connector type: JAE TX25 Plug Connector
- Power input: 12V~19V
- 1 x TMDS / 1 x UART / 3 x USB Port
- Audio: Line-out L/R
- Control signals: power status / PS_ON / PB_DET / CEC / SYS_FAN

Storage Device
- 1 x 22pin SATA right angle connector for slide in 2.5" SATA slim SSD

Expansion
- 2 x Mini-PCIe for optional WLAN/ TV tuner module
- Support wake on WLAN feature

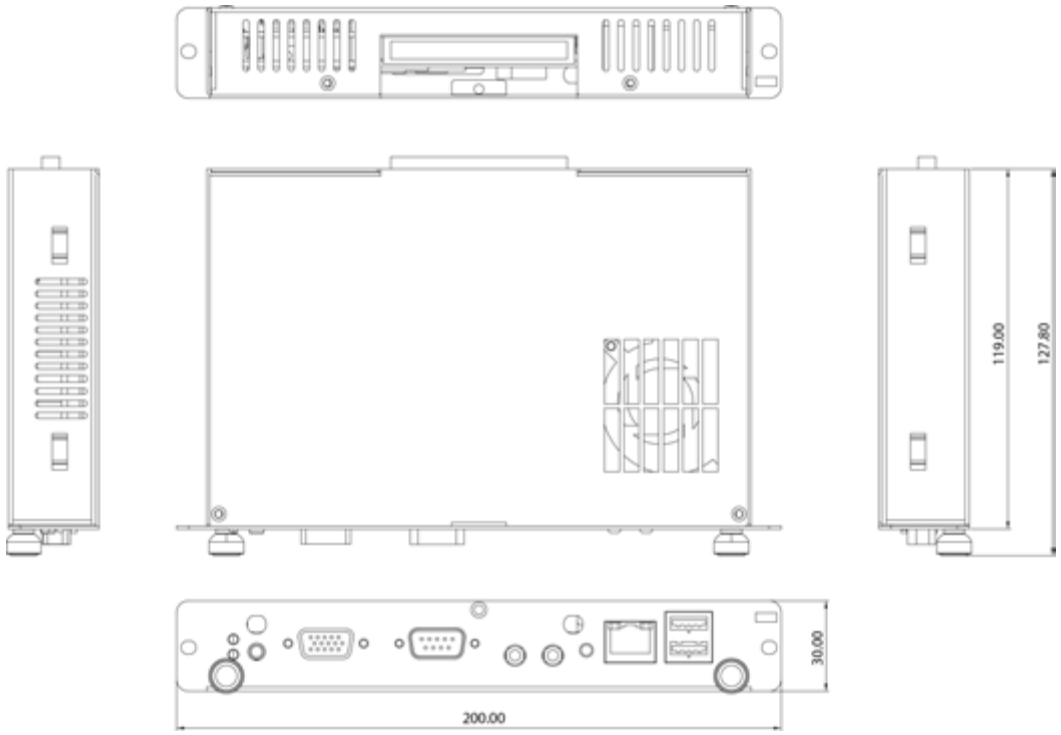
Dimensions
- 200mm (W) x 119mm (D) x 30mm (H) (7.8" x 4.7" x 1.1")

Power Power Supply
- DC power +12V~19V from docking board
- Input: +12V DC connector for test used

Environment
- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Dimension Drawing



Operating System

- Windows7 / Windows 8 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS OPS-M50 (P/N: 10W000OPS00X0)**
  NEXCOM ICES-267S COM Express card
  Onboard Intel® Core™ i5-2515E Dual Core processor
  Intel® QM67/ HM65 PCH

NDiS M422

AMD Embedded G Series -Based OPS Digital Signage Platform

Main Features

- AMD G Series T56N 1.65GHz Dual-Core APU
- Integrated AMD Radeon™ HD6320
- Designed compliant with open pluggable standard
- Low Power Consumption
- Easy maintenance and upgrade
- TV tuner/ WLAN support
- DirectX 11 Support

Product Overview

NDiS M422 is specifically designed to be compliant with OPS (Open Pluggable Standard). NDiS M422 provides pluggable 2.5” storage device scalability, easy to change DRAM and expand modules by Mini Card. NDiS M422 is powered by AMD G Series T56N 1.65GHz Dual-Core APU with high graphic performance and low power consumption. NDiS M422 is a powerful media player for digital signage applications demonstrate high impact contents in compact size and perfect match with panel.

Specifications

CPU Support
- AMD G-series Dual-Core Processor T56N 1.65GHz Onboard

Chipset
- AMD A50M Fusion Controller Hub

Graphic
- AMD Radeon™ HD6320

Main Memory
- 1 x 204 pin SO-DIMM socket, support DDR3 1333MHz with un-buffered and non-ECC SDRAM up to 8GB

I/O Interface-Front
- 1 x Power button
- 1 x Power LED
- 1 x Reset button
- 1 x HDD LED
- 2 x USB2.0
- 1 x HDMI
- 1 x Audio Line-in
- 1 x Audio Line-out
- 1 x RJ45 with LEDs for Gigabit LAN
- 1 x RJ45 for RS-232
- 1 x 2.5" HDD slot
- 1 x Antenna hole

I/O Interface-Rear
- 1x TMDS
- 1x UART
- 1x Audio out L/R
- 3x USB2.0
- DC input +12V~+19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

Storage Device
- 1 x 2.5" SATA Storage Bay for HDD / SSD

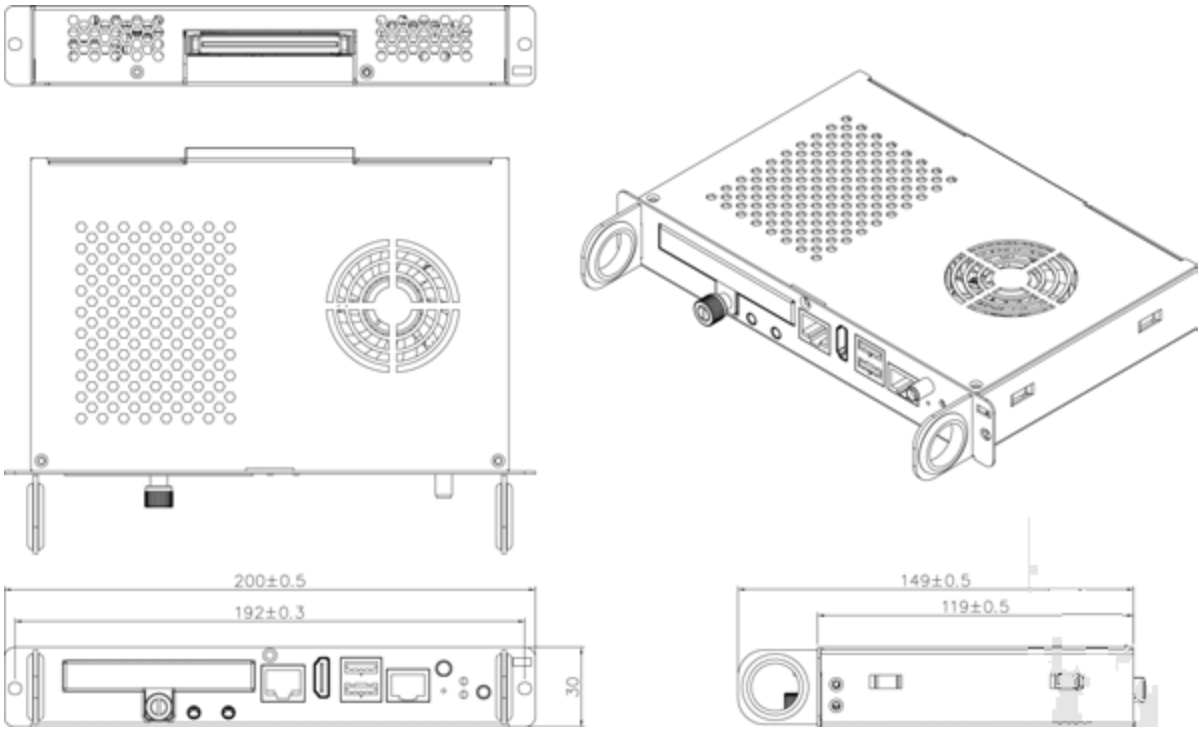
Expansion
- 1 x Mini-PCIe for optional WLAN/ TV tuner module

Dimensions
- 200mm (W) x 119mm (D) x 30mm (H) (7.8" x 4.7" x 1.1")

Power Power Supply
- DC power input +12V~19V

Environment
- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Dimension Drawing



Certification

- CE approval
- FCC Class A

Operating System

- Windows7 / Windows 8 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS M422 (P/N: 10W00M42200X0)**
  AMD G-series Dual-Core Processor T56N 1.65GHz Onboard Support, AMD A50M Fusion Controller Hub

NDiS M532

Embedded Computer Powered by 3rd Generation Intel® Core™ Processor, Based OPS Digital Signage Platform

Main Features

- 3rd generation Intel® Core™ processor
- Intel® integrated HD 4000 graphic engine
- Compact and slim design
- Easy maintenance and upgrade
- USB 3.0, dual GbE LAN support
- WLAN/ TV tuner support
- DirectX 11 support

Product Overview

NDiS M532 is an OPS-compliant media player powered by 3rd generation Intel® Core™ processors. Following open pluggable standard, NDiS M532 can perfectly fit into a myriad of OPS-panels and is compact in size. Yet, NDiS M532 has high scalability, allowing for easy storage capacity expansion through pluggable 2.5" storage unit and effortless functional extension through Mini Card expansion modules. Changing system memory is also made simple. In addition, NDiS M532 leverages the 3rd generation Intel® Core™ processors to deliver outstanding graphics whilst limiting the power usage. The superb but power-efficient NDiS M532 can therefore maximize visual impacts for digital signage applications.

Specifications

CPU Support
- 3rd generation Intel® Core™ rPGA socket type processor

Chipset
- Intel® QM77

Graphic
- Intel® integrated HD4000

Main Memory
- 1 x 204 pin SO-DIMM socket, support DDR3 1600 MHz with un-buffered and non-ECC SDRAM up to 8GB

I/O Interface-Front
- 1 x Power button
- 1 x Reset button
- 1 x HDD LED
- 2 x USB3.0
- 1 x HDMI
- 1 x Audio Mic-in
- 1 x Audio Line-out
- 2 x RJ45 with LEDs for Gigabit LAN
- 1 x 2.5" HDD slot
- 2 x Antenna hole

I/O Interface-Rear
- 1 x TMDS
- 1 x DP
- 1 x UART
- 1 x Audio out L/R
- 2 x USB2.0
- 1 x USB3.0
- DC input +12V~+19V
- Control signals (PWR_STATUS, PS_ON#, PB_DET, CEC, SYS_FAN)

Storage Device
- 1 x 2.5" SATA storage bay for HDD/ SSD

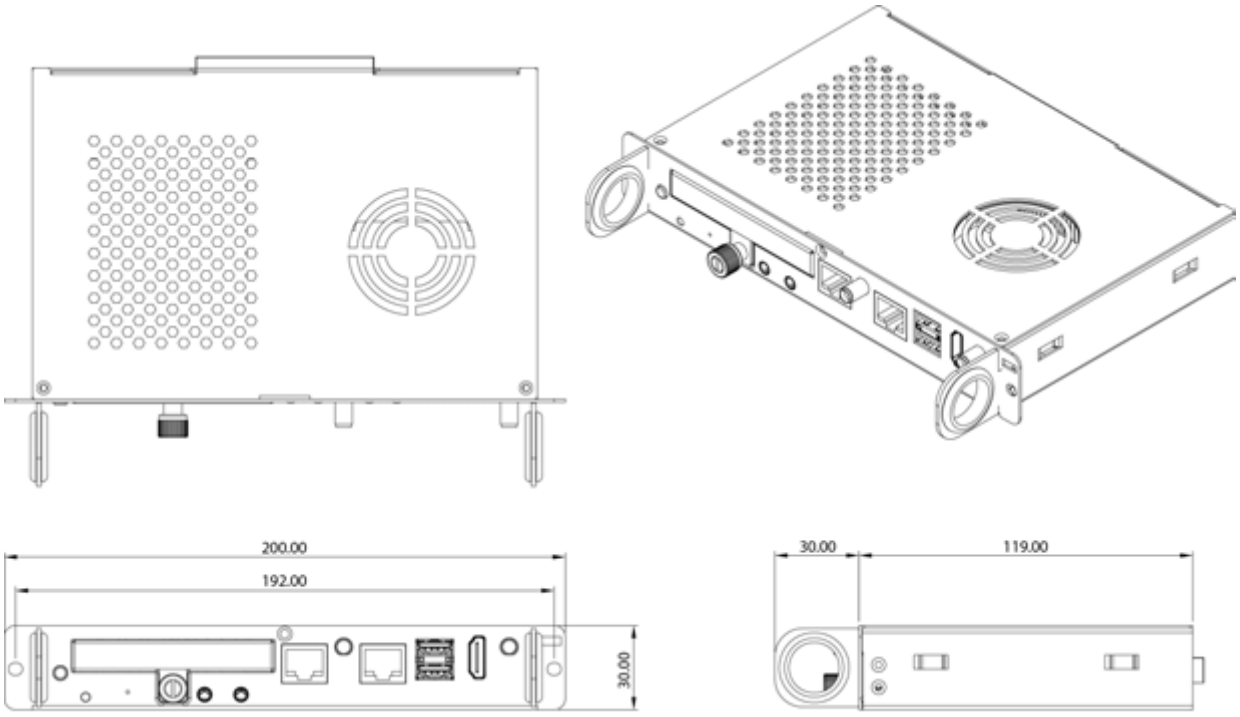
Expansion
- 1 x mini-PCIe for optional WLAN/ TV tuner module

Dimensions
- 200mm (W) x 119mm (D) x 30mm (H) (7.8" x 4.7" x 1.1")

Power Power Supply
- DC power input +12V~19V

Environment
- Operating temperature: ambient with air flow from 0°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Dimension Drawing



Certification

- CE approval
- FCC Class A

Operating System

- Windows7 / Windows 8 / XP / WES7 / WES2009 / Linux

Ordering Information

- **NDiS M532 (P/N: 10W00M53200X0)**

  3rd generation Intel® Core™ processor (up to 35W) OPS digital signage platform, Intel® QM77 chipset

PDSB 102

Digital Signage Player Powered by ARM Cortex-A8 RISC Processor

Product Overview

PDSB 102 is an ARM® Cortex-A8 RISC MPU based entry-level digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for advanced digital signage applications. PDSB 102 is enclosed in a compact chassis and can be easily integrated into display devices, such as LCD TV or PDP at site installation with dual HDMI display output, Giga LAN and WLAN support. PDSB 102 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 102 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/ universities and hospitals for dynamic message delivering, digital menu board, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, H.264, VC-1

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- WMA, AAC, MP3

Screen Support
- Single display, two clone displays, or two expanded displays, or two independent displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 4 zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Multiple languages

Content Throughput
- Videos, pictures, and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 1 x SATA 3.0 connector
- 1 x 4-pin + 1 x 2 pin SATA power connector
- 1 x microSD socket

I/O Interface
- 2 x HDMI
- 2 x USB 2.0
- 1 x RJ45 with LED, Gigabit LAN port
- 1 x RJ45 for RS-232
- 1 x Line-in
- 1 x Line-out

Power Supply
- 1 x External +12V DC output 40W
- 2.5mm DC Power Jack
- Output: +12V DC

Dimensions
- 179.9mm (W) x 114.9mm (D) x 37.5mm (H) w/o mounting bracket

Environment
- Operating temperature: @100% CPU loading and component thermal profile: 0°C to 50°C
- Storage temperature: -40°C to 80°C
- Humidity: 95% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 102 (P/N: 10B00B10200X0)**

PDSB 125

Fanless Digital Signage Player Powered by
Intel® Atom™ Dual Core D525 Support Full HD Video Playback

Product Overview

PDSB 125 is an Intel® Atom™ Dual Core D525 based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSB 125 is enclosed in a compact chassis with low power consumption and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 125 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 125 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND,M4A,AAC,wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

I/O Interface
- 1 x VGA; 1 x HDMI
- 1 x Audio Line-out
- 4 x USB
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet

Power Supply
- 1 x External 60W AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Dimensions
- 250.5mm (W) x 195mm (D) x 40mm (H) (9.9" x 7.7" x 1.6")

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Humidity: 10°C to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 125 (P/N: 10B00B12500X0)**

PDSB 125R

Fanless Digital Signage Player Powered by
Intel® Atom™ Dual Core D525 Support Full HD Video Playback

Product Overview

PDSB 125R is an Intel® Atom™ Dual Core 525 based digital signage player preloded with PowerDigiS digital signage starter kit software, which enables user to create a compelling message and puts the power of content control in the hands of even the most basic of computer users. It uses simple templates as a starting point for users. The easy-to-use web-based content design interface allows users to key-in information and combine multimedia files to build a custom message for your business needs with a few clicks of a mouse. It makes untrained users look like designers and encourages them to use the system over traditional alternatives.

If you have an application where a continuous display of videos, images or text is required and where the data is only changed occasionally, the starter kit provides alternative way to upload content using an USB stick. Simply save the multimedia files to an USB stick and plug it onto the player, then the signage screen automatically starts playing the images, video and ticker that are loaded onto the USB stick.

Major Features:

- Cost effective player with Linux base DS client software and content design tool
- Support one full HD video playback
- Limited content formats: mpeg video, image, and text ticker
- Support 4 media zones on the signage screen
- Simplified content design process and management function

Software Specifications

Content Source
- Local disk or network server

Video File Format
- Mpeg4, VC1, H.264

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Web/Data
- Ticker/RSS News Feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 4 zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Default Layout Template
- Create Time-based presentation
- Layout Preview
- USB local content update

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

I/O Interface
- 1 x VGA; 1 x HDMI
- 1 x Audio Line-out
- 4 x USB
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet

Power Supply
- 1 x External 60W AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Dimensions
- 250.5mm (W) x 195mm (D) x 40mm (H) (9.9" x 7.7" x 1.6")

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Humidity: 10°C to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 125R (P/N: 10B00B12501X0)**

PDSB 127

Fanless Digital Signage Player Powered by AMD G-series Processor

Product Overview

PDSB 127 is an AMD G-Series processor based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for advanced digital signage applications. PDSB 127 is enclosed in a compact chassis and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 127 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 127 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, digital menu board, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND,M4A,AAC,wav, wma, ogg, ra

Web/ Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, two clone displays, or two expanded displays, or two independent displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones or 1 x Full HD video zones
- Multiple shockwave flash, pictures, and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

I/O Interface
- 1 x VGA; 1 x HDMI
- 1 x Audio Line-out, 1 x Mic-in
- 6 x USB
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 2 x DB9 for RS 232

Power Supply
- 1 x External 96W AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Dimensions
- 185mm (W) x 147mm (D) x 48.4mm (H) (7.3" x 5.8" x 1.9")

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -40°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 127 (P/N: 10B00B12700X0)**

PDSB 166

Support Dual Full HD Video Playback Fanless Embedded Computer
Powered by 2nd Generation Intel® Core™ Processor

Product Overview

PDSB 166 is an 2nd Generation Intel® Core™ processor based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSB 166 is enclosed in a compact chassis with low power consumption and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 166 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 166 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/ train station, schools/ universities and hospitals for dynamic message delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND,M4A,AAC,wav, wma, ogg, ra

Texr/ Data
- Banner
- RSS news feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 1 x 2.5" SATA HDD Bay

Video Interface-Rear
- 1 x DB15 VGA port
- 1 x HDMI port
- 1 x DVI

Audio Interface-Rear
- 1 x Line-out/ 1 x Line-in

I/O Interface-Front
- 1 x CF card socket
- 2 x USB 2.0
- 2 x RS-232

I/O Interface-Rear
- 2 x Serial port

LAN Interface-Rear
- 1 x RJ45 with LEDs 10/100Mbps Ethernet
- 2 x Antenna hole for WLAN

Power Supply
- 1 x External 80W AC/ DC power adapter
  AC-in: 100VAC to 240VAC
  DC-out: DC+12V

Dimensions
- 250mm (W) x 195mm (D) x 40mm (H) (9.8" x 7.7" x 1.6")

Environment
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 166 (P/N: 10B00B16600X0)**

PDSB 166R

Support Dual Full HD Video Playback Fanless Embedded Computer
Powered by 2nd Generation Intel® Core™ Processor

Product Overview

PDSB 166R is an 2nd Generation Intel® Core™ processor based digital signage player pre-loaded with PowerDigiS digital signage starter kit software, which enables user to create a compelling message and puts the power of content control in the hands of even the most basic of computer users. It uses simple templates as a starting point for users. The easy-to-use web-based content design interface allows users to key-in information and combine multimedia files to build a custom message for your business needs with a few clicks of a mouse. It makes untrained users look like designers and encourages them to use the system over traditional alternatives.

If you have an application where a continuous display of videos, images or text is required and where the data is only changed occasionally, the starter kit provides alternative way to upload content using an USB stick. Simply save the multimedia files to an USB stick and plug it onto the player, then the signage screen automatically starts playing the images, video and ticker that are loaded onto the USB stick.

Major Features

- Performance player with Linux base DS client software and content design tool
- Support Dual Full HD Video Playback
- Limited content formats: mpeg video, image, and text ticker
- Support 4 media zones on the signage screen
- Simplified content design process and management function

Software Specifications

Content Source
- Local disk or network server

Video File Format
- Mpeg4, VC1, H.264

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Texr/ Data
- Ticker/RSS News Feed

Screen Support
- Single display, or two clone displays
- Presentation can be segmented to different screen layouts
- Up to 4 zones in each screen layout

Playing Effect
- Scrolling text
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2x HD video zones, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Default Layout Template
- Create Time-based presentation
- Layout Preview
- USB local content update

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 1 x 2.5" SATA HDD Bay

Video Interface-Rear
- 1 x DB15 VGA port
- 1 x HDMI port
- 1 x DVI

Audio Interface-Rear
- 1 x Line-out/ 1 x Line-in

I/O Interface-Front
- 1 x CF card socket
- 2 x USB 2.0
- 2 x RS-232

I/O Interface-Rear
- 2 x Serial port

LAN Interface-Rear
- 1 x RJ45 with LEDs 10/100Mbps Ethernet
- 2 x Antenna hole for WLAN

Power Supply
- 1 x External 80W AC/ DC power adapter
  AC-in: 100VAC to 240VAC
  DC-out: DC+12V

Dimensions
- 250mm (W) x 195mm (D) x 40mm (H) (9.8" x 7.7" x 1.6")

Environment
- Operating temperature: 0°C to +40°C
- Storage temperature: -20°C to +80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 166R (P/N: 10B00B16601X0)**

PDSP 0811

Fanless All-in-One 8.9" Digital Signage Display
Powered by Intel® Atom™ N270 Processor

Product Overview

PowerDigiS PDSP series is cost effective yet high performance all-in-one digital signage display designed to address a broad spectrum of digital signage applications.

PDSP 0811 is an Intel® Atom™ N270 based digital signage player with built-in high quality 8.9" 16:9 LCD display pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSP 0811 is a self-contained digital signage display and player device enclosed in a compact chassis with low power consumption. PDSP 0811 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSP 0811 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- All-In-one design, Easy installation, Plug and play

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO,ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 1 x HD video zone or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

Display
- TFT LCD panel 8.9" 16:9
- 1024 x 600 WSVGA resolution
- Optional touch screen

I/O Interface
- 1 x DB15 VGA
- 2 x Audio Line-out; 1 x S/PDIF
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 2 x USB 2.0 ports
- 2 x DB9 for RS-232

Power Supply
- 1 x External AC/ DC adapter
  Input: 100~240VAC
  Output: +12VDC

Dimensions
- 225mm (W) x 53.9mm (D) x 139mm (H) (8.86" x 2.12" x 5.47")

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 75°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSP 0811 (P/N: 10B0P081100X0)**

PDSP 2121

Fanless All-in-One 21" Digital Signage Display Powered by Intel® Atom™ D525 Processor Support Full HD Video Playback

Product Overview

PowerDigiS PDSP series is cost effective yet high performance all-in-one digital signage display designed to address a broad spectrum of digital signage applications.

PDSP 2121 is an Intel® Atom™ D525 based digital signage player with built-in high quality 21.5" 16:9 LCD display pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSP 2121 is a self-contained digital signage display and player device enclosed in a compact chassis with low power consumption. PDSP 2121 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSP 2121 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- All-In-one design, Easy installation, Plug and play

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO,ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zone, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

Display
- TFT LCD panel 21.5" 16:9
- 1920 x 1080 resolution
- Optional touch screen

I/O Interface
- 1 x DB15 VGA (Clone)
- 1 x Audio Line-out; 1 x Line-in; 1 x Mic-in
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 4 x USB 2.0 ports
- 2 x DB9 for RS-232

Power Supply
- 1 x External AC/ DC adapter
  Input: 100~240VAC
  Output: +12V~ 30VDC

Dimensions
- 506.4mm (W) x 64.7mm (D) x 300.6mm (H) (19.9" x 2.5" x 11.8")

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 75°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSP 2121 (P/N: 10B0P212100X0)**

PDSP 2121R

Fanless All-in-One 21" Digital Signage Display Powered by Intel® Atom™ D525 Processor Support Full HD Video Playback

Product Overview

PDSP 2121R is an Intel® Atom™ D525 based, self-contained digital signage player with built-in high quality 21.5" 16:9 LCD display pre-loaded with PowerDigiS digital signage starter kit software, which enables anyone to create a compelling message and puts the power of content control in the hands of even the most basic of computer users. It uses simple templates as a starting point for users. The easy-to-use web-based content design interface allows users to key-in information and combine multimedia files to build a custom message for your business needs with a few clicks of a mouse. It makes untrained users look like designers and encourages them to use the system over traditional alternatives.

If you have an application where a continuous display of videos, images or text is required and where the data is only changed occasionally, the starter kit provides alternative way to upload content using an USB stick. Simply save the multimedia files to an USB stick and plug it onto the player, then the signage screen automatically starts playing the images, video and ticker that are loaded onto the USB stick.

Major Features

- All-in-one player with Linux base DS client software and content design tool
- Support one full HD or dual HD video playback
- Limited content formats: mpeg video, image, and text ticker
- Support 4 media zones on the signage screen
- Simplified content design process and management function

Software Specifications

Content Source
- Local disk or network server

Video File Format
- Mpeg4, VC1, H.264

Picture File Format
- JPG, BMP, PNG, ICO,ICP, GIF, TIFF, WMF

Web/Data
- Ticker/RSS News Feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 4 zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zone, or 1 x Full HD video zone, or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Default Layout Template
- Create Time-based presentation
- Layout Preview
- USB local content update

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

Display
- TFT LCD panel 21.5" 16:9
- 1920 x 1080 resolution
- Optional touch screen

I/O Interface
- 1 x DB15 VGA (Clone)
- 1 x Audio Line-out; 1 x Line-in; 1 x Mic-in
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 4 x USB 2.0 ports
- 2 x DB9 for RS-232

Power Supply
- 1 x External AC/ DC adapter
  Input: 100~240VAC
  Output: +12V~ 30VDC

Dimensions
- 506.4mm (W) x 64.7mm (D) x 300.6mm (H) (19.9" x 2.5" x 11.8")

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 75°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSP 2121R (P/N: 10B0P212102X0)**

PDSP 3221

Fanless All-in-One 32" Digital Signage Display Powered by Intel® Atom™ D525 Dual Core Support Full HD Video Playback

Product Overview

PowerDigiS PDSP series is cost effective yet high performance all-in-one digital signage display designed to address a broad spectrum of digital signage applications.

PDSP 3221 is an Intel® Atom™ D525 Dual Core based digital signage player with built-in high quality 32" 16:9 LCD display pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level digital signage applications. PDSP 3221 is a self-contained digital signage display and player device enclosed in a compact chassis with low power consumption. PDSP 3221 is capable to layout display into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSP 3221 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, advertising, or brand promotion.

Presentation Design Tool

The tool is one of the most valuable parts of the PDS system, it helps content creator on intuitive operations to ease the output of presentation. Content files are automatically categorized by media type. The tool provides screen layout template design function and it can be saved for reuse. The tool also provides an easy drag and drop method to organize contents to playlist and associate playlist to each zones. Meanwhile, the tool provides preview function for content files and final presentation. Finally, the tool can integrate easy upload function to publish presentation to media player.

User's Benefits

- Integrated Panel PC with Impressive cost-performance ration and reliability
- Quick presentation layout and reuse
- Easy content management over local LAN and Internet
- Content deployment strategy support with scalability and flexibility
- Variety video and audio types support
- Save manpower on device deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO,ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zone, or 1 x Full HD video zone, or 1x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

Display
- TFT LCD panel 32" 16:9
- 1920 x 1080 resolution
- Optional touch screen

I/O Interface
- 1 x DB15 VGA (Clone)
- 1 x Audio Line-out; 1 x Line-in; 1 x Mic-in
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 4 x USB2.0 ports
- 2 x DB9 for RS-232

Power Supply
- 1 x External AC/ DC adapter
  Input: 100~240VAC
  Output: +24VDC

Dimensions
- 753mm (W) x 442.6mm (D) x 86.1mm (H) (29.6" x 17.4" x 3.4")

Environment
- Operating temperature: ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 75°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSP 3221 (P/N: 10B0P322100X0)**

CMS 1100

Digital Signage Central Management Server

Manage up to 100 Media Players

Main Features

- Central digital signage player device management
- Central emergent message
- Central digital signage presentation distribution
- Central digital signage presentation scheduling
- Central content management

System Overview

CMS Series is range of central management server appliances designed to improve the operation efficiency for network based digital signage displays.

Equipped with feature-rich PowerDigiS central management software, CMS 1100 is capable to handle up to 100 displays digital signage operation, including device management, presentation distribution, scheduling, and emergency message. It is a perfect solution for smaller scale digital signage display network operation within hospitality, retail, public message, education, and transportation.

Software Specifications

Player Device Management
- Add/ Remove/ Edit PowerDigiS player
- Add/ Remove/ Edit player group
- Start/ Stop/ Pause presentation
- Player/Player group power off/ reset
- Support up to 100 PowerDigiS players

Central Presentation Distribution
- Distribute presentation to player/ player group
- Support scheduled distribution or real-time distribution

Central Presentation Schedule
- Schedule player/ player group presentation playing time table

Central Content Management
- Hosting contents at central management without distribution to player
- Support video/ image/ flash content file hosting

Emergency Message
- Send emergency message to player/ player group
- Support scrolling or non-scrolling text message

Software Update
- Support player/ player group software update

Hardware Specifications

I/O Interface-Front
- Power status/ HDD status/ LAN status LEDs

I/O Interface-Rear
- 1 x Power button
- 1 x RJ45 type console port
- 2 x USB 2.0 ports
- 4 x Copper LAN ports
- 1 x PCIe slot
- 1 x VGA port

Storage Device
- 1 x 2.5" 160GB HDD
- 1 x CF socket

Chassis Dimensions
- 272mm (W) x 195mm (D) x 44mm (H) (10.7" x 7.7" x 1.7")

Weight
- Net: 2kg

Ordering Information

- **CMS 1100 (P/N: 10B00110000X0)**

CMS 1100R

Digital Signage Central Management Server

Manage up to 100 Media Players

Main Features

- Central digital signage player device management
- Central emergent message
- Central digital signage presentation distribution
- Central digital signage presentation scheduling
- Central content management

System Overview

The CMS 1100R is a Linux-based server application for all NEXCOM digital signage players. It can simultaneously communicate with a maximum of 100 players across multiple locations. Administrator can update content, broadcast streaming video, schedule playback on the players and perform all the monitoring and control function from a central office or from any web browser connected to the Internet.

Software Specifications

Player Device Management
- Add/ Remove/ Edit PowerDigiS player
- Add/ Remove/ Edit player group
- Start/ Stop/ Pause presentation
- Player/Player group power off/ reset
- Support up to 100 PowerDigiS players

Central Presentation Distribution
- Distribute presentation to player/ player group
- Support scheduled distribution or real-time distribution

Central Presentation Schedule
- Schedule player/ player group presentation playing time table

Central Content Management
- Hosting contents at central management without distribution to player
- Support video/ image/ flash content file hosting

Emergency Message
- Send emergency message to player/ player group
- Support scrolling or non-scrolling text message

Software Update
- Support player/ player group software update

Hardware Specifications

I/O Interface-Front
- Power status/ HDD status/ LAN status LEDs

I/O Interface-Rear
- 1 x Power button
- 1 x RJ45 type console port
- 2 x USB 2.0 ports
- 4 x Copper LAN ports
- 1 x PCIe slot
- 1 x VGA port

Storage Device
- 1 x 2.5" 160GB HDD
- 1 x CF socket

Chassis Dimensions
- 272mm (W) x 195mm (D) x 44mm (H) (10.7" x 7.7" x 1.7")

Weight
- Net: 2kg

Ordering Information

- CMS1100R (P/N: 10B00110002X0)

CMS 2100

Digital Signage Central Management Server

Manage up to 250 Media Players

Main Features

- Central digital signage player device management
- Central emergent message
- Central digital signage presentation distribution
- Central digital signage presentation scheduling
- Central content management

System Overview

CMS Series is range of central management server appliances designed to improve the operation efficiency for network based digital signage displays. Equipped with feature-rich PowerDigiS central management software, CMS 2100 is capable to handle up to 250 displays digital signage operation, including device management, presentation distribution, scheduling, and emergency message. It is a perfect solution for middle scale digital signage display network operation within hospitality, retail, public message, education, and transportation.

Software Specifications

Player Device Management
- Add/ Remove/ Edit PowerDigiS player
- Add/ Remove/ Edit player group
- Start/ Stop/ Pause presentation
- Player/ Player group power off/ reset
- Support up to 250 PowerDigiS players

Central Presentation Distribution
- Distribute presentation to player/ player group
- Support scheduled distribution or real-time distribution

Central Presentation Schedule
- Schedule player/ player group presentation playing time table

Central Content Management
- Hosting contents at central management without distribution to player
- Support video/ image/ flash content file hosting

Emergency Message
- Send emergency message to player/ player group
- Support scrolling or non-scrolling text message

Software Update
- Support player/ player group software update

Hardware Specifications

I/O Interface-Front
- 2 x LED for power-on and HDD status
- 2 x USB 2.0 ports
- 1 x RJ45 type console port
- 1 x Software reset button
- 4 x Copper LAN ports

I/O Interface-Rear
- 1 x Expansion slot
- 1 x VGA port
- 1 x Power switch

Storage Device
- 1 x 3.5" 320GB HDD
- 1 x CF socket

Chassis Dimensions
- 426.2mm (W) x 365mm (D) x 44mm (H) (16.8" x 14.4" x 1.7")

Weight
- Net: 6.5kg

Ordering Information

- **CMS 2100 (P/N: 10B00210000X0)**

PDSB 842

Multi-Display Embedded Digital Signage Player Powered by AMD R-series Dual/ Quad Processors, Support 4 Independent MI Displays

Product Overview

PDSB 842 is an AMD R-series Dual/ Quad Processors based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for advanced digital signage applications. PDSB 842 is enclosed in a compact chassis and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 842 support multiple displays output and is capable to layout displays into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 842 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, digital menu board, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, four independent displays, 4x1 Display Group, 1x4
- Display Group and 2x2 Display Group
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 4 x HD video zones or 2 Full HD video zones
- Multiple shockwave flash, pictures, and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ Pause/ Stop control function
- System reboot, Shutdown, Firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

I/O Interface
- 1 x HDD LED
- 1 x Power LED
- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB3.0
- 2 x USB2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 4 x HDMI
- 3 x antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

Power Supply
- External 120W AC/ DC adapter
- Input: 100~240VAC
- Output: +12VDC

Dimensions
- TBD (W x D x H)

Environment
- Operating temperature: Ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 842 (P/N: 10B00B84200X0)**

PDSB 862

Multi-Display Embedded Digital Signage Player Powered by AMD R-series Dual/ Quad Processors, Support 6 Independent HDMI Displays

Product Overview

PDSB 862 is an AMD R-series Dual/ Quad Processors based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for advanced digital signage applications. PDSB 862 is enclosed in a compact chassis and can be easily integrated to display device such as LCD TV or PDP at site installation. PDSB 862 support multiple displays output and is capable to layout displays into multiple rectangle zones and play rich multi-media contents on each zone in accordance with user defined schedule table. This makes the PDSB 862 work perfect for increasing digital signage applications within retail outlets, department store, entertainment venues, restaurants, hotels, bus/train station, schools/universities and hospitals for dynamic message delivering, digital menu board, advertising, or brand promotion.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, four independent displays, 3x2 Landscape Display Group, 3x1
- Display Group Plus 3 Extended, 2x2 Display Group Plus 2 Extended
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 4 x HD video zones or 2 Full HD video zones
- Multiple shockwave flash, pictures, and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ Pause/ Stop control function
- System reboot, Shutdown, Firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 1 x SATA 2.5" HDD
- 1 x SATA DOM

I/O Interface
- 1 x HDD LED
- 1 x Power LED
- +12V DC-in
- 2 x RJ45 for RS-232
- 2 x USB3.0
- 2 x USB2.0
- 2 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 1 x Line-in, 1 x Line-out
- 1 x SPDIF
- 6 x HDMI
- 3 x antenna hole for Wi-Fi and TV tuner
- 1 x Power switch with LED
- 1 x Reset switch

Power Supply
- External 120W AC/ DC adapter
- Input: 100~240VAC
- Output: +12VDC

Dimensions
- TBD (W x D x H)

Environment
- Operating temperature: Ambient with air flow from 0°C to 40°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A

Ordering Information

- **PDSB 862 (P/N: 10B00B86200X0)**

PDSB 6120

In-Vehicle Digital Signage Player Powered by Intel® Core™ 2 Duo SL9400 Processor

Main Features

Product Overview

PDSB 6120 is an Intel® Core™ 2 Duo L2400 based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for advanced in-vehicle digital signage applications. PDSB 6120 is enclosed in a compact chassis with low power consumption and is with special design to withstand high vibration, extreme temperature variation, and dynamic power supply voltage vehicle working environment. PDSB 6120 is capable to layout display into multiple rectangle zones and play rich multimedia contents on each zone in accordance with user defined schedule table. Integrated with state-of-art power ignition function, GSP, and optional 3.5G radio network connectivity, PDSB 6120 works perfectly for increasing digital signage applications for dynamic message delivering, advertising, or brand promotion within vehicle cabin, such as train, bus, taxi, or subway.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, or two clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 2 x HD video zones, or 1 Full HD video zones
- Multiple shockwave flash, pictures, and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

I/O Interface
- 1 x VGA, 1 x DVI-D, 1 x DB26 LVDS
- 2 x Audio Line-out
- 3 x USB
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 2 x DB9 for RS-232

Power Supply
- Input: +9~36VDC
- Output: +5V/+12VDC
- Programmable low voltage protection threshold
- Programmable 8-level Power On/Off delay time

Dimensions
- 260mm (W) x 176mm (D) x 50mm (H)
  (10.2" x 7" x 2") w/o mounting bracket

Environment
- Operating temperature: ambient with air flow from -10°C to 45°C
- Storage temperature: -20°C to 80°C
- Humidity: 10 to 90% (non-condensing)

Certification
- CE approval
- FCC Class A
- e13 Mark

Ordering Information

- **PDSB 6120 (P/N: 10B0B612000X0)**
- **Optional Accessories**

Part No.	Description
10VK0006006X0	VTK60-WLAN-02, Mini-PCIe WLAN kit (QCOM Q802XKN, w/ antenna & cable)
10VK0006000X0	Sierra MC8790V, GPRS/ UMTS/ HSDPA, w/ internal cable and antenna with packing
10Z00330200X0	NAK 3302, GSM/ GPRS Mini-PCIe module

PDSB 6200

In-Vehicle Digital Signage Player Powered by Intel® Atom™ D510 Processor

Main Features

Product Overview

PDSB 6200 is an Intel® Atom™ D510 based digital signage player pre-loaded with user-friendly digital signage software, the PowerDigiS, targeting for entry-level in-vehicle digital signage applications. PDSB 6200 is enclosed in a compact chassis with low power consumption and is with special design to withstand high vibration, extreme temperature variation, and dynamic power supply voltage vehicle working environment. PDSB 6200 is capable to layout display into multiple rectangle zones and play rich multimedia contents on each zone in accordance with user defined schedule table. Integrated with state-of-art power ignition function, GSP, and optional 3.5G radio network connectivity, PDSB 6200 works perfectly for increasing digital signage applications for dynamic message delivering, advertising, or brand promotion within vehicle cabin, such as train, bus, taxi, or subway.

Presentation Design Tool

The presentation design tool is one of the most valuable parts of the PowerDigiS software. It helps digital signage content creator on intuitive operations to ease the output of presentation to the player. The tool provides quick screen layout design function. The screen layout can be saved as template for reuse. The tool provides an easy drag and drop method to organize contents in playlist and associate playlist to each zones in the screen layout. The tool provides handy preview function for individual content files and final presentation. The presentation design tool also integrates easy upload function to publish presentation design to removable media, central management server, or player.

User's Benefits

- Seamless hardware and software integration for operation reliability
- Flexible display configuration
- Presentation design is simple and intuitive
- Presentation publish and scheduling is easy
- Presentation content support is rich and versatile
- Self-contained device for easy deployment

Software Specifications

Content Source
- Local disk or network server

Video File Format
- MPEG 1/2/4, AVI, WMV, DivX, XVID, VOB, MOV VC-1, H.264, rm, rmvb

Flash File Format
- SWF, FLV

Picture File Format
- JPG, BMP, PNG, ICO, ICP, GIF, TIFF, WMF

Sound Format
- MIDI, MPEG-1-Audio LayerII (MP2), mp3, SND, M4A, AAC, wav, wma, ogg, ra

Web/Data
- Web URL
- Text files
- RSS news feed

Screen Support
- Single display, or up to three clone displays
- Portrait or landscape orientation
- Presentation can be segmented to different screen layouts
- Up to 9 display zones in each screen layout

Playing Effect
- Scrolling text and emergency message
- Image transition effect
- Multiple languages

Content Throughput
- Up to 1 x HD video zones or 1 x shockwave flash zone
- Multiple pictures and scrolling text zones

Management Function
- Web-based management with password access control
- Multilingual management interface
- Presentation management
- Presentation scheduling
- System event log
- Presentation playing log
- Presentation play/ pause/ stop control function
- System reboot, shutdown, firmware upgrade

Presentation Design
- Presentation layout and playlist editing function
- Presentation and content file preview function
- Presentation publish function

Operating System
- Ubuntu Linux

Hardware Specifications

Storage Device
- 160GB SATA HDD

I/O Interface
- 2 x VGA, 1 x DB26 LVDS
- 2 x Audio Line-out
- 4 x USB
- 1 x RJ45 with LEDs for 10/100/1000Mbps Ethernet
- 2 x DB9 for RS-232, 1 x DB9 for RS-485

Power Supply
- Input: +9~60VDC
- Output: +5V/ +12VDC
- Programmable low voltage protection
- Programmable 8-level power on/off delay time

Dimensions
- 260mm (W) x 176mm (D) x 50mm (H) (10.2" x 6.9" x 2.0") w/o mounting bracket

Certification
- CE approval
- FCC Class A
- e13 Mark
- EN50155

Ordering Information

- **PDSB 6200 (P/N: 10B0B620000X0)**
- **Optional Accessories**

Part No.	Description
10VK0006006X0	VTK60-WLAN-02, Mini-PCIe WLAN kit (QCOM Q802XKN, w/ antenna & cable)
10VK0006000X0	Sierra MC8790V, GPRS/ UMTS/ HSDPA, w/ internal cable and antenna with packing
10VK0006007X0	Bluetooth kit, (QCOM QBTM400-01(v7), w/ antenna & cable)

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