

# Advantech Intelligent Micro Computer

## Key Features

The AiMC series is targeted for machine automation applications. Each self-contained micro computer features compact size, high performance, strong system security and remote management. With the latest, 3rd generation Intel® Core™ processors, they deliver more computing and graphics performance. Each micro computer comes with Advantech's SUSIAccess software for intelligent monitoring and control. Each intelligent micro computer offers integrators a no-nonsense, turnkey solution that has been fully verified and certified.



### Compact Size

#### Features

- Volume reduced, less than 50% of standard 4U system
- Occupies less area than an A4 sheet of paper

#### Benefits

- Small, space saving footprint
- Easier cable routing



### High Performance

#### Features

- Latest, 3rd gen Intel® Core™ i CPU
- High bandwidth PCI Express

#### Benefits

- Latest, most powerful CPU performance
- Can drive multi-channel megapixel cameras

# AiMC



### System Security

#### Features

- Recovery powered by Acronis
- Protection by McAfee

#### Benefits

- Live system backup without reboot
- Whitelist protection, plus easy application control and blocking of unauthorized activity



### Remote Management

#### Features

- Hardware status monitoring
- Remote control

#### Benefits

- Remote system diagnostics and alerts
- Remote KVM & Power On/Off give quick access to remote devices, reduce downtime for system maintenance

## Regional Service & Customization Centers

China	Taiwan	Netherlands	Poland	USA/ Canada
Kunshan 86-512-5777-5666	Taipei 886-2-2792-7818	Eindhoven 31-40-267-7000	Warsaw 48-22-33-23-730	Milpitas, CA 1-408-519-3800

## Worldwide Offices

### Greater China

<b>China</b> <b>Toll Free</b>	<b>800-810-0345</b>
Beijing	86-10-6298-4346
Shanghai	86-21-3632-1616
Shenzhen	86-755-8212-4222
Chengdu	86-28-8545-0198
Hong Kong	852-2720-5118

### Taiwan

<b>Toll Free</b>	<b>0800-777-111</b>
Rueiguang	886-2-2792-7818
Yang Guang	886-2-2792-7818
Shing-Tien	886-2-2218-4567
Taichung	886-4-2378-6250
Kaohsiung	886-7-229-3600
Hsinchu	886-3-543-0569

### Asia Pacific

<b>Japan</b> <b>Toll Free</b>	<b>0800-500-1055</b>
Tokyo	81-3-6802-1021
Osaka	81-6-6267-1887

### Korea

<b>Toll Free</b>	<b>080-363-9494</b>
Seoul	82-2-3663-9494

### Singapore

Singapore	65-6442-1000
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### Malaysia

<b>Toll Free</b>	<b>1800-88-1809</b>
Kuala Lumpur	60-3-7724-3555
Penang	60-4-397-3788
	60-4-397-4188

### Indonesia

Jakarta	62-21-7690525
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### Thailand

Bangkok	66-2-248-3140
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### India

<b>Toll Free</b>	<b>1800-425-5070</b>
Bangalore	91-80-2337-4567

### Australia

<b>Toll Free</b>	<b>1300-308-531</b>
Melbourne	61-3-9797-0100
Sydney	61-2-9482-2443

### Europe

<b>Germany</b>		49-89-12599-0
Munich		49-2103-97-885-0

### France

Paris	33-1-4119-4666
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### Italy

Milano	39-02-9544-961
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### Benelux & Nordics

Breda	31-76-5233-100
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### UK

Reading	44-0118-929-4540
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### Poland

Warsaw	48-22-33-23-740/741
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### Russia

<b>Toll Free</b>	<b>8-800-555-01-50</b>
Moscow	7-495-232-1692

### Americas

<b>North America</b> <b>Toll Free</b>	<b>1-800-205-7940</b>
	<b>1-888-576-9668</b>
Cincinnati	1-513-742-8895
Milpitas	1-408-519-3891
Irvine	1-949-789-7178

### Brazil

<b>Toll Free</b>	<b>0800-770-5355</b>
Saude-São Paulo	55-11-5592-5355

# Advantech Intelligent Micro Computer

## Compact, Lightning-fast Solution for Machine Automation

- ✓ Compact Size
- ✓ High Performance
- ✓ System Security
- ✓ Remote Manageability



# ADVANTECH

Enabling an Intelligent Planet

# About Advantech

## Advantech: Enabling an Intelligent Planet

Founded in 1983, Advantech is a leader in providing trusted innovative embedded and automation products and solutions. Advantech offers comprehensive system integration, hardware, software, customer-centric design services, and global logistics support; all backed by industry-leading front and back office e-business solutions. We cooperate closely with our partners to help provide complete solutions for a wide array of applications across a diverse range of industries. Advantech has always been an innovator in the development and manufacture of high-quality, high-performance computing platforms, and our mission is to empower these innovations by offering trustworthy products and services that enable an intelligent planet. With Advantech, there is no limit to the applications and innovations our products make possible.

## Global Logistics Services

With strong integrated ERP and SAP supply chain solutions, our worldwide logistics network offers a wide range of options for different delivery models including local and global solutions that meet your unique needs and budget requirements. Advantech's Logistics Service gives you the flexibility to simplify your logistical networks, bring your products to market on time, and enjoy a timely return on your investment.

- Optimized and flexible shipping solutions
- Integrated ERP and SAP supply chain solution with global distribution network
- Centralized plants with local delivery

## Global Customer Support Services

Our global presence provides localized reliable customer support services. We can create an optimized maintenance and support plan, leveraging the full power of our service portfolio to help reduce costs and proactively mitigate business risks to best meet your needs. In addition to our complete technical and repair support, we provide a variety of customizable after-sales services, including extended warranty, advance replacement, upgrade, fast repair, etc. With our knowledgeable local support groups, we enable a consistent support experience around the world and help keep your investment at peak performance and within your budget.

- 24/7 technical support: hotline AE & online chat support
- Global deployment with local full-line repair capability
- Easy-to-use web-based repair and tracking system (eRMA)
- Various value-added, after-sales service packages



Extended Warranty Service

www.advantech.com

# ADVANTECH

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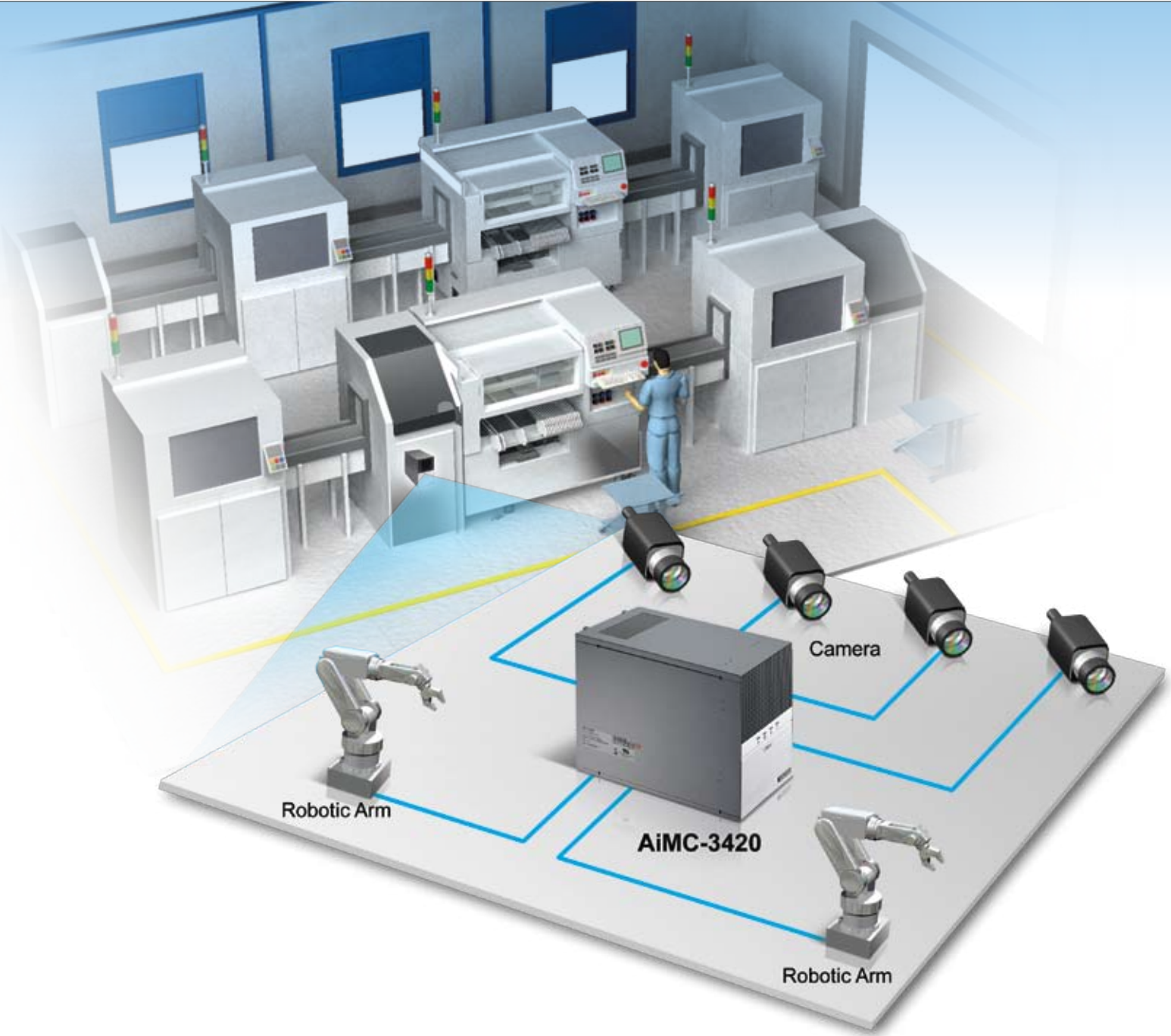
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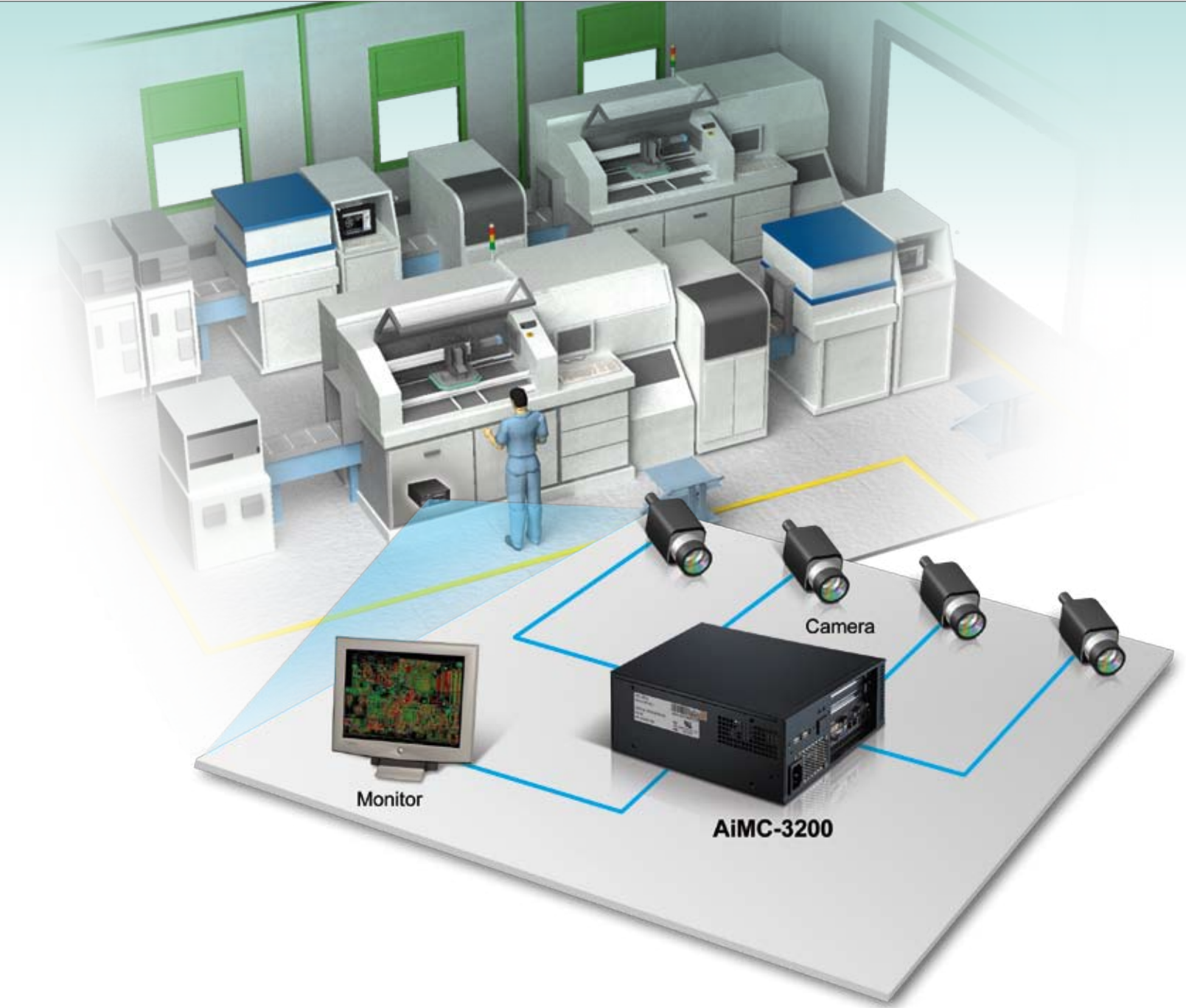
# Apply AiMC in PCBA Manufacturing

# Product Offerings



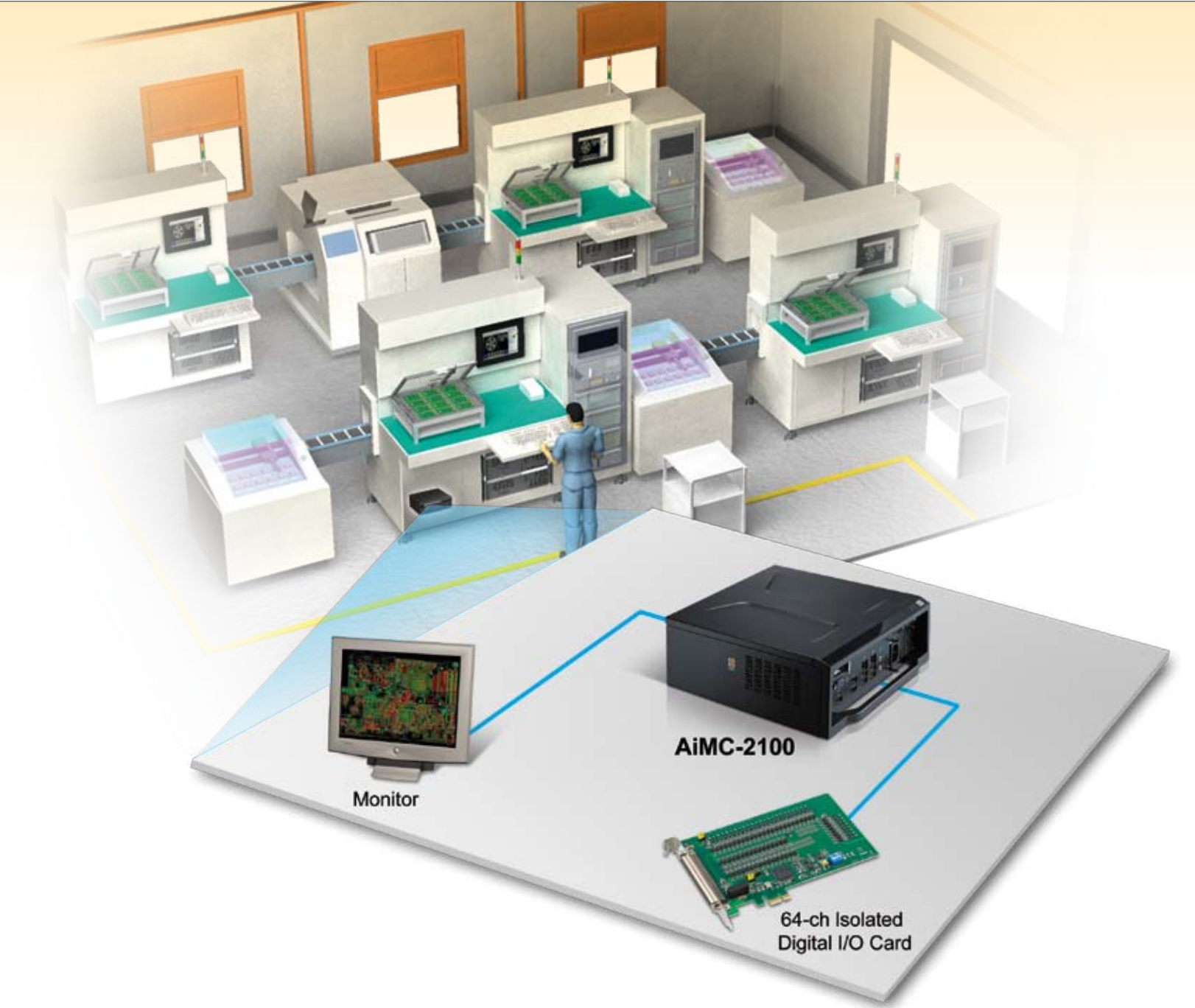
## Surface-Mount Technology

AiMC-3420 is an agile and efficient industrial computer supporting vision inspection and motion control. With high performance CPU power, it can precisely control a robotic arm, do high resolution image analysis, execute solder paste printing, SMT pick-and-place, and reflow oven control for surface-mount manufacturing.



## Automated Optical Inspection

AiMC-3200 is a compact size system that can be configured with a PoE card and camera to implement AOI. Its high performance supports up to 4 channels each with a 5-megapixel PoE camera. Powered by Intel Core i processor, effectively detects whether components have been successfully soldered and whether component placement is skewed or straight.



## Automatic Test Equipment

AiMC-2100 serves as automatic test equipment for quality assurance. ATE performs measurements and evaluates test results quickly and accurately. With one reserved expansion slot, it is a flexible platform that can adopt any add-on-card to accommodate different test scenarios.



	AiMC-2100-00A1E	AiMC-3200-00A1E	AiMC-3420-00A1E
CPU	PGA 988 i7/i5/i3 mobile CPU	LGA 1155 i7/i5/i3	LGA 1155 i7/i5/i3
Memory	DDR3 Max 8GB	DDR3 Max 8GB	DDR3 Max 8GB
PCH	QM77	H61	H61
Storage	SATA Bays: Two 2.5" HDD	SATA Bays: Two 2.5" HDD	SATA Bays: One 3.5" HDD
Expansion Slot	One PCI-E x16	One PCI-E x16 One PCI-E x4	One PCI-E x16 Two PCI-E x1
I/O Interface	2 PS/2 VGA Dual LAN 3 Audio 2 COM HDMI 2 Display Port 4 USB3.0	2 USB2.0 LED Indicator 2 COM VGA 1 PS/2 Dual LAN 1 USB2.0	LED Indicator 4 USB 2.0 2 COM 1 USB2.0 Dual LAN VGA 1 PS/2 2 USB 2.0
Dimension	272mm 88mm 232mm	232mm 90mm 232mm	270mm 222mm 150mm
Power Supply	250Watt	250Watt 80Plus	300Watt 80Plus

