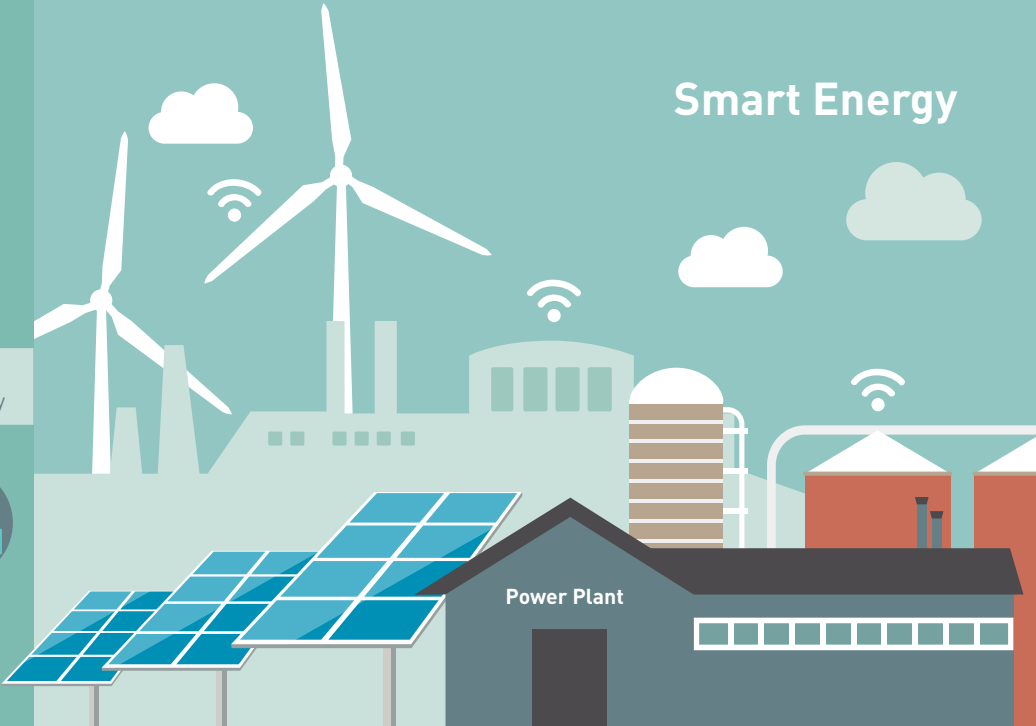
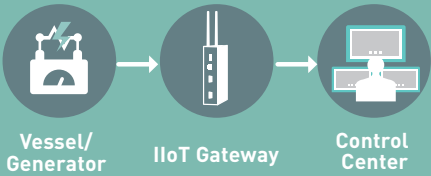


In a general smart grid, oil refinery and solar energy applications, the ICO series plays the role of a gateway controller. The operational data is collected and forwarded to the cloud to be processed and analyzed at a control center.

Applications

Solar, Smart Grid, Oil Refinery, Electricity



Smart Energy

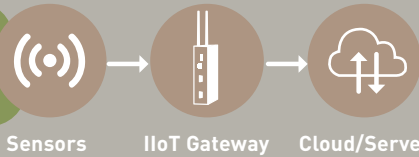
Environmental Data Collection



By connecting with sensors, the ICO gateway can help farmers collect environmental data like temperature and humidity. With IloT gateways, farmers can get immediate access to data and remotely control the farm's computerized operations from anywhere in the world. Farmers can also compare, predict and share data for more insights.

Applications

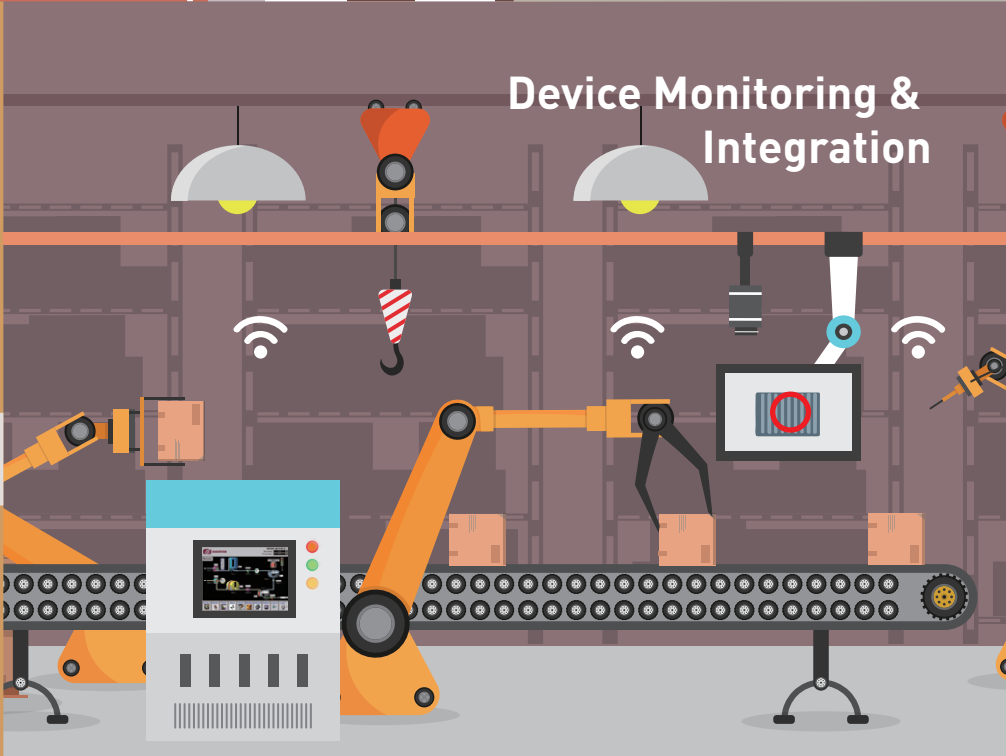
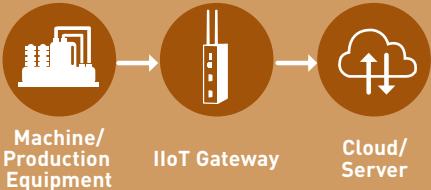
Humidity Detect, Temperature Detect, Air Quality, Luminance



The ICO series designed with rich I/O can easily make a connection to different devices in different applications. It offers a platform for machines to connect and to communicate. Through the IloT gateway controller, users can design their own IloT solutions such as machine monitoring and predictive maintenance.

Applications

Smart Factory, Machine Conditioning, Intelligent Production



Device Monitoring & Integration

Product Information

IC0300-MI

- Intel® IoT Gateway Technology with Wind River Intelligent Device Platform XT 3.1
- Intel® Atom® processor E3815
- Wide operating temperature range from -20°C to +70°C
- 12-24 VDC wide range power input



IC0100-839

- Intel® Celeron® processor N3350
- 8-bit programmable DIO for IloT gateway applications
- Wide operating temperature range from -20°C to +70°C
- AXView 2.0 intelligent remote management and monitoring software



IC0300-83B

- Intel® Celeron® processor N3350
- Multifunction IloT gateway solution
- Isolated COM port design for system protection and stability
- AXView 2.0 intelligent remote management and monitoring software



IC0320-83C

- Intel® Celeron® processor N3350
- IloT LAN gateway solution
- DIN-rail box PC with 4 ports PoE Function (Power-over-Ethernet)
- Wide selection of I/O function (CANBus, COM port)



IloT Gateway Solutions

ICO Series in IloT Concept

Network Connectivity

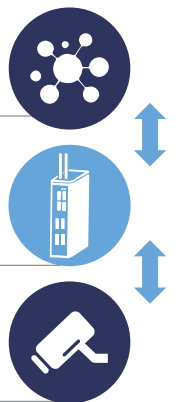
Supports data transmission through Ethernet/4G/3G/Wi-Fi/Bluetooth/ZigBee/RFID

Gateway & Edge Computing

ICO series provides connectivity between network layer and sensor layer

Physical Devices & Sensors

Supports I/O communication



Intelligent IloT Gateway

Axiomtek's ICO series is designed for IloT gateway use. It offers efficient, secure and robust platforms for various applications in diverse IloT environments. With a wide range of power input and extended operating temperatures, the ICO series can endure harsh operating conditions. Equipped with rich I/O, the ICO series offers flexible and easy integration with various front-end devices or sensors. The ICO series also supports a wide range of wireless modules, including WiFi, Bluetooth, 3G/4G and Zigbee modules. Some models are Microsoft Azure certified and ready to be used to build your IloT applications.

Axiomtek's ICO series offers great flexibility and reliability in supporting the designs of IloT-related applications, especially those that require a robust gateway device which can efficiently manage and control complex IoT environments.



Flexible Customization

- Short lead time
- Design capability
- Optimization



Embedded Software Service

- Linux development and function checking
- AXView 2.0 intelligent remote management and monitoring software
- Software customization service



Stability & Reliability

- Fanless and rugged design
- Lockable I/O
- Isolated LAN
- Vibration endurance
- Wide operating temperatures

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