

Integrated Automation Systems

Enabling machine vision, motion control and factory signage

- / Intelligent Factory
- / IoT System Deployments
- / Software Services



- Flexible and Compact Design
- IoT Ready Platform
- Maximizing Production Efficiency

ADVANTECH

Enabling an Intelligent Planet

WISE-PaaS/RMM

WebAccess/SCADA

WebAccess/IMM

Making Intelligent Factory Accessible

In the IoT era, industrial automation has gradually become sufficiently reliable to serve as an effective part of the production process. With Advantech integrated automation system solutions, the production line can be automated with robotic machine control as well as visual inspection and support data visualization through our software services.

3 Winning Facts

Flexible and Compact Design

To provide flexible support for different function requests, Advantech offers diverse modular products, including stackable I/O expansion and customized power inputs. The compact design not only enables easy IoT implementation but also energy saving.

IoT Ready Platform

Embedded IoT systems are all equipped with wireless connectivity and innovative software services to realize the IoT implementation. Our WISE-PaaS software platform can empower the deployment and management of IoT applications.

Maximizing Production Efficiency

All the systems are integrated with automation related peripherals, allowing use of a wide variety of controls and sensors that can add value to any management installation.

IoT System Deployments in Intelligent Factory



IoT Software Architecture



Through new ideas and technologies, Advantech embedded IoT systems integrated a series of innovative software solutions to make our systems more manageable, power-saving, and secure. This effectively relieves system developers and users of the complexity of device management and maintenance, and simplifies the operation of embedded devices.



WISE-PaaS/RMM

Remote Monitoring and Management

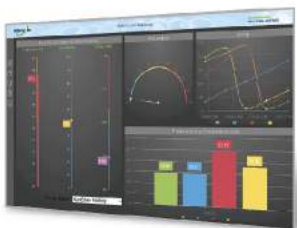
- Centralized IoT device HW & SW status management
- Built-in 15+ real-time monitoring widgets



WebAccess/IMM

Content management

- Manages up to 500 screens
- Drag and drop operation
- Supports rich multimedia content



WebAccess/SCADA

Smart SCADA Management

- Dashboard Editor & Viewer
- Widget Library & Widget Builder
- Cross Browser & Device Viewing



Microsoft Azure

IoT Cloud Solutions

Advantech provides cloud services powered by Azure and WISE-PaaS to assist customers with connecting their industrial solutions to the cloud.

Product Offerings

Edge Intelligence Server **WISE-PaaS/RMM** **WebAccess/SCADA** IoT Development Tools



EIS-D110

- Intel® Celeron® J1900
- WES7E/Win 10 Enterprise
- COM, GbE
- Wi-Fi, Bluetooth



EIS-DK10

- Complete IoT connection solution, from sensor, to edge system, to cloud
- IPre-configured Microsoft Azure service: Device Management Package (1 month free trial)

Embedded IoT Systems **WISE-PaaS/RMM**

Motion & Vision Integrated

Embedded platform



ARK-3520

Intel® 6th Gen Core i3/i5/i7

Motion cards



PCI-1274

Motion controller with Position Latch and Trigger

Frame grabber



PCIE-1174

PCIe x 4 compliant

Motion Control Solutions

Embedded platform



ARK-3405

Intel® Celeron® N3160

Motion cards



PCI-1203

EtherCAT master card



PCI-1245E

DSP-based 4-axis



PCI-1285E

DSP-based 8-axis

Soft control platform



ARK-2230L

Intel® Celeron® J1900

Machine Vision Solutions

Embedded platform



ARK-3520

Intel® 6th Gen Core i3/i5/i7

Machine vision cards



PCIE-1674E

4 x PoE ports



PCIE-1672E

2 x PoE ports

Machine vision camera



QUARTZ

0.3-10.0 mega pixel PoE camera

Factory Signage

WISE-PaaS/RMM **WebAccess/IMM**



DS-370

• Intel® Celeron® J1900



DS-280

• Intel® 6th Gen Core i3/i5/i7



DS-980

• Intel® 6th Gen Core i3/i5/i7

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