Advantech provides Edge+ platforms that incorporate domain-focused software, AI, wireless connectivity, and cloud integration. As a result, customers benefit from shortened development times and digital transformation.

Unleash Edge Intelligence with AI, 5G, and the Cloud

Advantech provides Edge+ platforms that incorporate domain-focused software, AI, wireless connectivity, and cloud integration. As a result, customers benefit from shortened development times and digital transformation.
Empowers Edge to Cloud Applications

The market demand for remote device management has grown in unison with the edge device market. Advantech’s WISE-DeviceOn IoT remote management software and I.App series deliver real-time device and data management capabilities that meet these trends.

Star Product Selections

WISE-DeviceOn

- HW/SW/Peripherals management
- Real-time monitoring and control
- OTA Update and batch controls

DeviceOn/iEdge

- Protocol Conversion
- Support OPC-UA/Modbus/ODBC
- Real-time edge analytics
- Centralized remote management

DeviceOn/Kiosk+

- Remote Kiosk Management
- Zero touch onboarding and remote monitoring
- Peripheral devices settings and control
- McAfee whitelisting and Acronis recovery

DeviceOn/ePaper

- ePaper Centralized Management
- Device management
- Image generator
- Firmware OTA
Empowering Visual AI at the Edge
Advantech provides comprehensive edge AI solutions that enable deep learning for AGV robots, defect inspection, retail, medical imaging, traffic monitoring, and other diverse applications.

Star Product Selections

**VEGA-340**  
AI Acceleration Card  
- 4x8x Intel® Movidius™ Myriad X VPUs  
- PCIe x4, 28W power consumption  
- 32 TOPS high performance

**AIR-101**  
Din-Rail AI System  
- 2 x Intel® Movidius™ Myriad X VPUs  
- 12 ~ 28V wide-range power input  
- Edge AI Suite and OpenVINO toolkit

**AIR-020**  
High Performance AI System  
- 6 core ARM v8.2 and NVIDIA Jetson™ Xavier embedded  
- Supports 5G and Wifi6 connectivity  
- Supports high speed & capacity NVMe SSD

**FaceView**  
Facial Recognition I.App  
- 99.7% Accuracy rate  
- Mask recognition  
- Human temperature screening
Advantech edge to cloud solutions facilitate IoT connectivity, light edge analytics, and cloud integration, thus simplifying IoT application deployment, visualization, and predictive maintenance. These servers provide an all-in-one solution packages that reduce waste in hardware and software integration.

### Star Product Selections

**EIS-D620**
- Low Power Edge Intelligence System
  - RISC-based Rockchip RK3399
  - Debian with 2GB/16GB eMMC
  - Support Wi-Fi and 4G wireless connectivity

**Ei-52**
- High Performance Edge Intelligence System
  - 11th Gen Intel® Core™ i5/i3/Celeron
  - Pre-installed Edge X with data acquisition API
  - Compatible with AI and 5G modules for AIoT applications

**EIS-S230**
- On-premise Edge Cloud
  - Intel® Xeon® E3-1275 V6
  - Multiple DB connections
  - Built in Kubernetes and on-demand microservices

**DeviceOn/iEdge**
- Protocol Conversion I.App
  - Support OPC-UA/Modbus/ODBC
  - Real-time Edge Analytics
  - Centralized Remote Management
Advantech’s ARK Fanless Intelligent Edge Computers provide hardware and software integrated solutions that support multiple I/O and expansions — including AI analytics, wireless connections, and peripheral devices. These computers accommodate factory automation, self-service kiosk, equipment connectivity, computer vision, and other AIoT applications.

### Empowerd Edge Computing Solutions

- **ARK-1220 Din Rail**
  - One side I/O — 2 x GbE, 2 x COM, and 4 x USB
  - 12 ~ 28V wide range power input
  - Supports -30 ~ 70 °C/-22 ~ 158 °F operating temperatures
  - Supports VEGA-320/330 edge AI modules

- **ARK-1551 Ultra Slim**
  - 8th Gen Intel® Core™ i ULV CPU
  - Up to 2 x GbE, 4 x USB, 4 x COM, and 12 ~ 24VDC power input
  - Supports VEGA-320/330 edge AI modules

- **ARK-3531 Diverse I/O**
  - 9th Gen Intel® Core™ i 35W CPU
  - Up to 4 x GbE, 8 x USB, 8 x COM, 9 ~ 36VDC power input
  - Supports VEGA-320/330 edge AI modules

- **ARK-3532 High Performance**
  - 10th Gen Intel® Xeon® and Core™ i3/i5/i7/i9 65W
  - Supports up to 4 x PCI/PCIe slot expansions

### Star Product Selections

- **ARK-1551 Ultra Slim**
  - Real-time devices/peripherals and software monitoring and control

- **DeviceOn/iEdge**
  - Industrial protocols and data integration in smart automation

- **DeviceOn/Kiosk**
  - Kiosk remote management in multiple locations

- **WISE-DeviceOn**
  - Supports VEGA-320/330 edge AI modules

- **Wireless Connectivity**
  - 5G, LTE, Wi-Fi, BT, GPS
  - Certified Wi-Fi kit available (Selected models)

- **Motion/vision/frame grabber cards**
  - Industrial cameras

- **Industrial protocols and data integration in smart automation**

- **Supports NVIDIA GPU cards**

- **Supports Intel Movidius VPUs & OpenVINO toolkit**

- **Scalable, Expand**
  - Motion/vision/frame grabber cards
  - Industrial cameras

- **AI Analytics Built-in**
  - Supports NVIDIA GPU cards
  - Supports Intel Movidius VPUs & OpenVINO toolkit

- **Kiosk remote management in multiple locations**

- **AI model deployment and performance optimization**

- **10th Gen Intel® Xeon® and Core™ i3/i5/i7/i9 65W**
  - Supports up to 4 x PCI/PCIe slot expansions

- **Supports VEGA-320/330 edge AI modules**

- **Scalable, Expand**
  - Motion/vision/frame grabber cards
  - Industrial cameras

- **AI Analytics Built-in**
  - Supports NVIDIA GPU cards
  - Supports Intel Movidius VPUs & OpenVINO toolkit

- **Kiosk remote management in multiple locations**

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Advantech's ARK Fanless Intelligent Edge Computers provide hardware and software integrated solutions that support multiple I/O and expansions — including AI analytics, wireless connections, and peripheral devices. These computers accommodate factory automation, self-service kiosk, equipment connectivity, computer vision, and other AIoT applications.
Advantech delivers performance and reliability to industrial applications. Our solutions meet industrial application requirements, and adhere to RF certifications for industrial wireless communication antennas.
Wireless ePaper Solutions
Domain-focused Solution Suites and Integrated Software

Centralized Management Accelerates ePaper Implementation
This solution empowers smart factory, building, wardroom, and public signage applications. DeviceOn/ ePaper software management system enables users to update information automatically improve efficiency, and reduce human errors.

Star Product Selections

2.9"
- EPD-210/230/232
- Digital Lebal
- • 2.9" EPD in red/black/white
- • Excellent roaming and transmission performance
- • NFC/ZigBee-like technology

5.6"
- EPD-332
- Scheduling Card
- • 5.6" EPD in red/ black/ white
- • Excellent roaming and transmission performance
- • ZigBee-like technology

13.3"
- EPD-660/662
- Clinic Information Board
- • 13.3" EPD red/black/white
- • Great power management: up to 8 months for 3 updates per day
- • 2.4G Wi-Fi

DeviceOn/ePaper
- ePaper Management I.App
- • Device management
- • Image generator
- • Firmware OTA
Edge Visualization Solutions

Visualize Your Applications
Advantech develops edge visualization solutions. Our products comprise 4K digital signage players, edge servers, and management software that accommodate applications in retail, transportation, quick-service restaurants, and education.

Star Product Selections

**DS-085** Ultra Slim
- 11th Gen Intel® Core™ i3/i5/i7 and Celeron
- 4 x HDMI 2.0
- Supports DASH

**DS-082** Ultra Slim
- AMD Ryzen V1000/R1000 CPU
- 4 x HDMI 2.0
- 19 mm thickness

**DS-580** High Performance Graphics
- Integrated NVIDIA® GeForce® GT 1030 graphics
- Intel® E3950 processor
- 2 x HDMI 2.0 and 2 x HDMI 1.4

**DS-211** Open Pluggable Specification (OPS)
- Powered by Rockchip RK3399
- Supports dual displays (UHD+FHD)
- Expandable via M.2 2230 E key and miniPCIe slot
Smart Transportation Solutions
Railway/ In-vehicle/ Roadside Surveillance

Real-time Remote Fleet Management
Transportation Solutions (TS) computers combine AI facial recognition with video and WISE-DeviceOn vehicle diagnostics, maximizing the usage rates of railway, in-vehicle, and roadside surveillance applications. These computers help produce analysis reports, and monitor vehicle/driver statuses in real-time.

Star Product Selections

TS-206 In-vehicle
- Intel® Core™ i7-6600U/i5-6300U
- EMARK, ISO 7637-2 certified
- Supports -20 ~ 60 °C/-4 ~ 140 °F operating temp
- Supports 4 x PoE function

ARK-2250R Rugged Railway
- Intel® Core™ i7-6822EQ/i5-6442EQ
- -40 ~ 70 °C/-40 ~ 158 °F EN50155 TX
- Extension 72 ~ 110V voltage range
- Stackable extension layers

ARK-2250V In-vehicle
- Intel® Core™ i7-6822EQ/i5-6442EQ
- EMARK, ISO 7637-2 certified
- Supports -20 ~ 70 °C/-4 ~ 158 °F operating temp
- Stackable extension layers

WISE-DeviceOn Remote Control Software
- Real-time vehicle monitoring and tracking
- Remote vehicle diagnostics analysis
- Power delay control
### Regional Service and Customization Centers

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### Edge Intelligence Software and Cloud

WISE-DeviceOn improves management, enables real-time remote access, and facilitates efficient operation. It leverages the Cloud and integrated domain-focused application software.

### AI Software and Inference

Empower AI at the edge and realize real-time intelligence in AGV/drones, defect inspection, traffic monitoring, and medical imaging applications.

### Wireless Connectivity

Demystify AIoT and leverage 5G/Wi-Fi 6 to enjoy faster speeds, millisecond latency, and reduced network congestion.

### Worldwide Offices

#### Asia Pacific

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#### Middle East and Africa

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#### Indonesia

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