# WISE-PaaS/Embedded

## Enabling IoT Edge Intelligence with a Collaborative Software Ecosystem

**Microsoft Azure**
Cloud Services

**ADVANTECH**
**WISE-PaaS**
Edge Intelligence Platform

**Edge Intelligence Suite**
WISE-PaaS/RMM    WISE-PaaS/OTA
WISE-PaaS/Security

**Third Party Software Sourcing/Distribution**
ARM mbed    McAfee    Acronis

**WISE-PaaS Alliance and Marketplace**
VIP Membership    WISE-Point

**Edge Intelligence Server**
WISE-PaaS Built-in    Cloud Solution Package

**ADVANTECH**
*Enabling an Intelligent Planet*

Microsoft    arm MBED    McAfee    Acronis

WISE-PaaS Marketplace

# Advantech WISE-PaaS Ecosystem

Advantech's WISE-PaaS ecosystem features a flexible and expandable architecture that facilitates the seamless integration of diverse cloud solutions and solution-ready packages (SRP) offered at the WISE-PaaS Marketplace. Customers who join the WISE-PaaS Alliance, Advantech's IoT partnership program for resolving IoT application challenges, can access the WISE-PaaS Marketplace and select software packages via WISE-Point. Customers can choose from a variety of solution-ready solutions, purchase a standard suite for creating unique solutions, or combine standard and purpose-built packages to customize an IoT solution according to their specific requirements and usage conditions. With WISE-PaaS Marketplace, Advantech provides customers with the tools for easily upgrading from existing systems to a cloud-based infrastructure.

**Domain-Specific Cloud Services (SaaS)**

**Smart City Solutions**
Retail · Hospital · Building · Fleet

**Industry 4.0 Solutions**
Factory · Robotics · Equipment

**IIoT Solutions**
Environment · Agriculture · Oil & Gas

More Applications

**RESTful APIs** · **Node-RED**

**WISE-PaaS Marketplace**

Store Traffic API · Signage API · Fleet API · IAQ API · Equipment API · Process Visual · PMQ API · Third-Party SRP APIs

**Solution-Ready Packages (SRP) APIs**

**WISE-Point**

WebAccess/NMS · WebAccess/VCM · **Power BI Embedded**
WISE-PaaS/OTA · WebAccess/IMM · **Azure Web Service**
WISE-PaaS/Security · WebAccess/HMI · **Azure Machine Learning** · Third-Party PaaS Services····
WISE-PaaS/RMM · WebAccess/SCADA · **Azure IoT Hub** · **mbed Device Cloud**

**WISE-PaaS Software Services**

**IBM Bluemix** · Microsoft Azure · 阿里云 aliyun.com

**IaaS Partners**

## Advantech WISE-PaaS Software Suite

**WISE-PaaS/RMM**
**Remote Monitoring and Management**
▪ Centralized management
▪ High availability
▪ Sensor/device connectivity

**WISE-PaaS/OTA**
**Over-the-Air Software Upgrades**
▪ Centralized update management
▪ Upgrade scheduling
▪ Rollback support

**WISE-PaaS/Security**
**Security Management**
▪ Central security management
▪ Whitelist and threat prevention
▪ Global threat intelligence

**WebAccess/SCADA**
**Smart HMI/SCADA**
▪ 100% web based
▪ Easily connect to IoT devices
▪ Cross-browser HTML5 dashboard

**WebAccess/HMI**
**HMI Software**
▪ PLC driver support
▪ Easily integrate protocols
▪ Intuitive development interface

**WebAccess/IMM**
**Interactive Multimedia**
▪ Server-client architecture
▪ Multi-screen display
▪ Edit and dispatch programs

**WebAccess/VCM**
**Video Core Module**
▪ Intelligent video platform
▪ Intelligent video analytics
▪ Modularized SDK

**WebAccess/NMS**
**Network Management**
▪ 100% web-based HTML5 NMS
▪ Device connectivity management
▪ Integrated network topolog

**WebAccess/CNC**
**CNC Machine Monitoring Solution**
▪ CNC overview
▪ CNC information
▪ CNC alarms

**WebAccess/MCM**
**Machine Conditioning Software**
▪ Oscilloscope
▪ Intelligent Inspection
▪ Condition Monitoring

# Mutual Success, Business Growth, and Service Innovation

The WISE-PaaS Alliance program serves as a collaborative ecosystem for providing software and services, design support, business partnering, and community insights. Through the WISE-PaaS Marketplace, partners can leverage exclusive tools to quickly develop IoT solutions, increase product visibility with collaborative marketing, and establish mutually beneficial partnerships.

**Mutual Success:**
The WISE-PaaS Alliance program offers a platform for sharing solutions and applications, provides success models for partner reference, and encourages the development of creative solutions through "success stacking".

**Business Growth:**
Leveraging the WISE-PaaS ecosystem can increase the visibility of partners' solutions and services and facilitate collaborations to generate additional business opportunities.

**Service Innovation:**
The IoT market comprises software, services, packages, solutions, and consultants that create diverse offerings, business models, and service provision methods beyond traditional buying/selling interactions. With the WISE-PaaS Alliance program, partners can deliver services through the WISE-PaaS Partner program, WISE-PaaS Marketplace, and consultations.

**ADVANTECH**

# WISE-PaaS
## Edge Intelligence Platform

**2,000 Points
VIP Membership**

## WISE-PaaS Marketplace
- **Diverse Software and Service**
  - Cloud services
  - Security services
  - WISE-PaaS IoT services
  - Pre-configured packages
- **Quick and Easy Deployment**

## Design & Development
- **WISE-PaaS Webinar**
- **WISE-PaaS Hands-On Lab**
- **EIS Solution Package**
- **Architectural Design Assistance**
- **Development Competency**

## Business & Marketing
- **Solution Awareness**
  - Application stories
  - Co-branded datasheets
  - Press releases
- **Advantech Assets**
  - Powered by WISE-PaaS' Logo Program
  - WISE-PaaS Partner Exposures
  - Marketplace On-Shelf Partner Zone
  - WISE-PaaS Promotion Packages

## Community & Insights
- **IoT Insight eNewsletter**
- **IoT Development Forum**
- **IoTMart**
- **Community Calls**

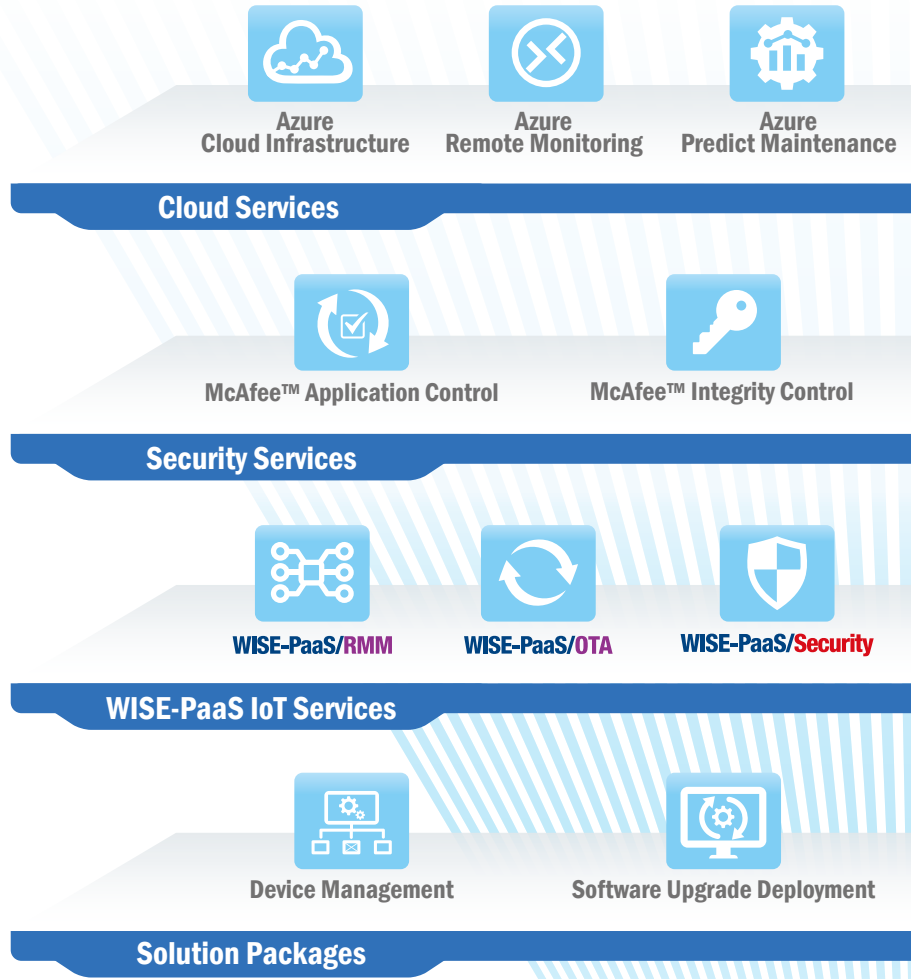**Microsoft**     **arm MBED**     **McAfee**     **Acronis**

# Discovering and Shopping for Your Own IoT Deployments

The WISE-PaaS Marketplace is an online software store that features Advantech's exclusive software services, diverse IoT cloud services, IoT security services, WISE-PaaS IoT software services, and solution packages pre-packaged into Advantech Edge Intelligence Servers (EIS). The WISE-PaaS Marketplace also integrates IoT partners' cloud and software solutions to accelerate the development of tools for upgrading existing systems to the cloud. Customers can subscribe to WISE-PaaS Marketplace services using WISE-Points provided with WISE-PaaS VIP membership packages to obtain cloud-based software solutions that facilitate innovation for the IoT.

**ADVANTECH**
# WISE-PaaS
## Edge Intelligence Platform

WISE-PaaS
Marketplace

Azure
Cloud Infrastructure

Azure
Remote Monitoring

Azure
Predict Maintenance

**Cloud Services**

McAfee™ Application Control

McAfee™ Integrity Control

**Security Services**

WISE-PaaS/RMM

WISE-PaaS/OTA

WISE-PaaS/Security

**WISE-PaaS IoT Services**

Device Management

Software Upgrade Deployment

**Solution Packages**

Microsoft Azure

arm MBED

**ADVANTECH**
WISE-
Edge Intelligen

## Service Highlights

**Solution Incubation**
Diverse WISE-PaaS and WebAccess software and services

**Authorized Distribution**
Microsoft Azure, ARM mbed Cloud, McAfee™ and Acronis service sources

**Pre-Configured Packages**
Integrated cloud, security, and WISE-PaaS software packages that satisfy your needs

**Third-Party PaaS Services**
Exclusive domain-focused applications for various vertical markets

**ARM mbed Device Connector**

**ARM mbed Device Provision**

**ARM mbed Device Update**

**McAfee™ Endpoint Security**

**Acronis Backup Recovery**

**WISE-PaaS/NMS**

**WebAccess/SCADA**

**WebAccess/HMI**

**WebAccess/IMM**

**Centralized Security Deployment**

**Device Management & Security**

PaaS

ce Platform

McAfee™

Acronis

## Cloud Services

Empowered by Microsoft Azure and Arm Mbed Cloud solutions to provide cloud infrastructure and pre-configured services

## Security Services

Integrated with McAfee™ and Acronis solutions for secure data transmissions and centralized management

## WISE-PaaS IoT Services

Diverse mature software platform services for various domain-focused solutions aimed at vertical markets

## Solution Packages

Pre-configured solution packages featuring cloud, security, and WISE-PaaS IoT services for each domain-focused solution

## Ecosystem Co-Prosperity

### Service Exposure
Sell your IoT solutions and services on the WISE-PaaS Marketplacee

### Business Expansion
More sales opportunities will be opened and shared on Marketplace

### Profit Sharing
Marketplace service providers maximize returns with perpetual and subscription business models

### Quick and Simple Deployment
Purchase and deploy solutions from the marketplace with a simple 3-step process

# Centralized IoT Management from Sensor to Cloud
## Arm Mbed Cloud

Arm Mbed Cloud Services provide secure identification, connection, and device management services for the IoT. With mbed Cloud, users can achieve flexible coverage across a vast range of IoT client devices, efficiently manage devices, establish trusted relationships, ensure security, update devices in field, and equip IT and DevOps teams for unparalleled productivity. Advantech integrated ARM Cortex M technology with silicone to develop sensor nodes with built-in Arm Mbed for enabling mbed cloud services with Advantech WISE-PaaS, ensuring easy integration with existing systems, and providing reliable security.

## Software Packages

### Arm Mbed Cloud Platform Services



**Arm End-to-end Security**
- On-device Protection
- Trusted Connection
- Secured Cloud Access

**Arm Device Management**
- Device Registration
- Remote Monitoring
- Data Visualization

**Arm Software Update**
- Firmware Update
- mbed OS Update
- Application Update

## Service Highlights

**Centralized Cloud Device Management**
A centralized web-based console to remotely monitor devices. Easily manage and deploy IoT devices with LWM2M standard.

**Software Update (FOTA)**
Remote firmware/ OS/ application update on hardware helps improve device longevity and reliability.

**End-to-End Security**
Protection goes both ways on device and on the cloud. On-device security is based on TrustZone and TrustZone-M, plus TLS to ensure connection reliability.

**Simpler Integration**
Integrate embedded HW system and SW cloud platform efficiently with RESTful API interface
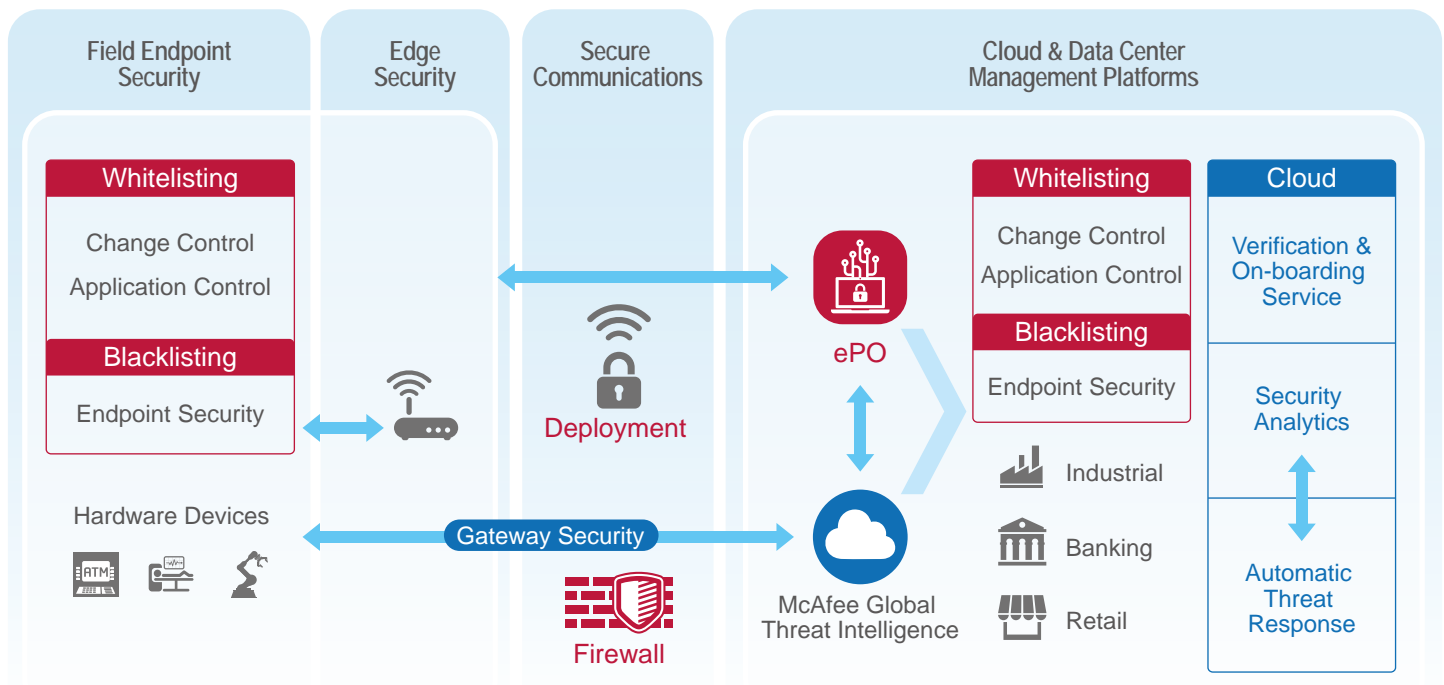
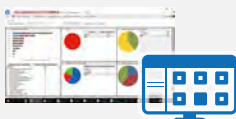# Centralizes IoT Device Security Management

## WISE-PaaS/Security

McAfee™ embedded solutions provide superior and intelligent security functions, such as whitelisting and blacklisting, for protecting IoT devices and data from zero-day attacks, monitoring/tracking system changes, and guarding entire systems with McAfee Global Threat Intelligence. WISE-PaaS/Security, empowered by McAfee™, provides a centralized IoT security management console on Azure for deploying security policies that ensure data and device protection. This IoT platform can be configured with McAfee™ function modules to satisfy diverse vertical applications and scenarios.

## Software Architecture

# McAfee IoT Platform Reference Security Model

| Field Endpoint Security | Edge Security | Secure Communications | Cloud & Data Center Management Platforms |

Whitelisting
Change Control
Application Control

Blacklisting
Endpoint Security

Hardware Devices

Deployment

ePO

Gateway Security

Firewall

McAfee Global Threat Intelligence

Whitelisting
Change Control
Application Control

Blacklisting
Endpoint Security

Industrial

Banking

Retail

Cloud
Verification & On-boarding Service

Security Analytics

Automatic Threat Response

## Service Highlights

**Centralized Management**
- Rapid remote deployment/configuration
- Monitor/report managed client data

**Whitelisting and Application Control**
- Protect against zero-day attacks
- Execution by authorized software only

**Change Control of Whitelisting**
- Set access rights for protected data
- Track content changes and prevent outages
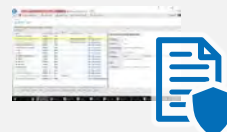
**Endpoint Security Blacklisting**
- Real-time endpoint threat protection
- Intelligent, adaptive scanning
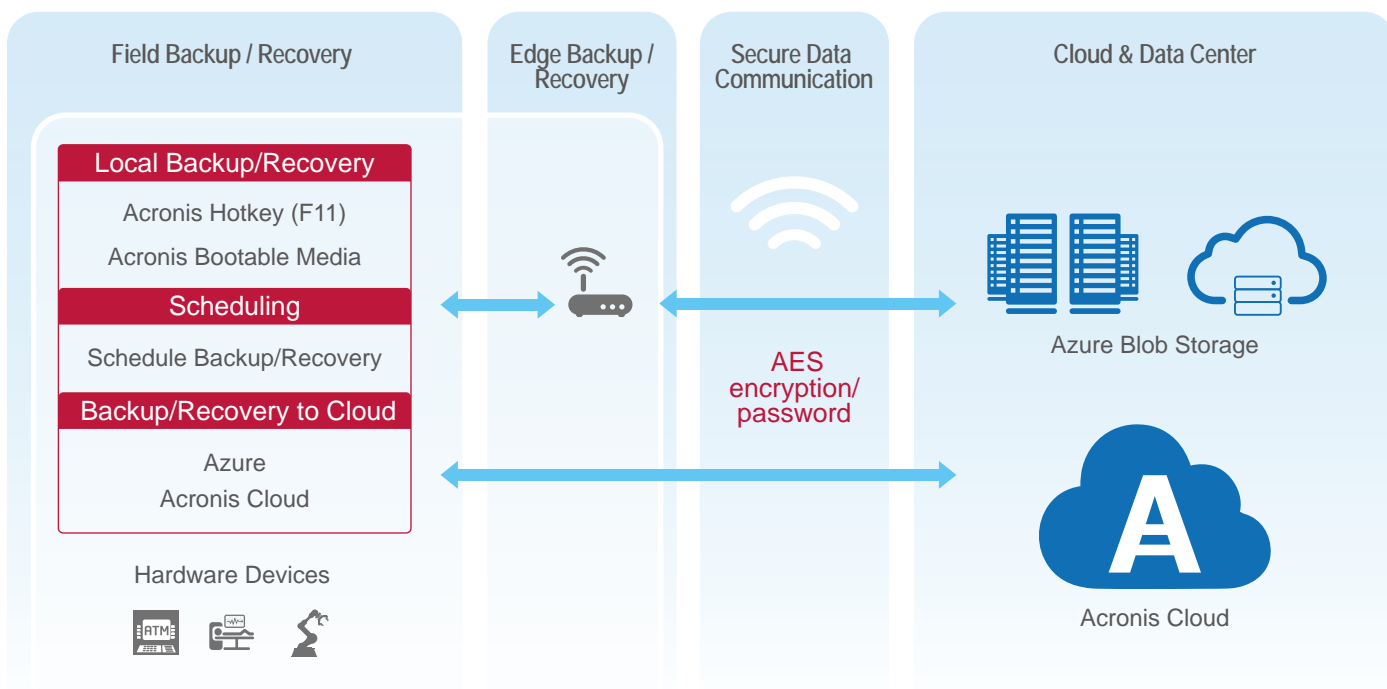- Advanced malware protection

# Convenient and Secure Acronis Backup and Recovery Solution
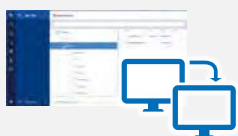
## Acronis

Digital data is one of the most valuable assets of any consumer-centered business organization. Providing clients with data protection is crucial. Additionally, the ability to restore systems to their factory settings on site reduces time and financial costs for both system integrators and end users. Leveraging Acronis' award-winning technologies, Acronis OEM solutions are specifically designed to satisfy the needs of OEMs.

## Software Architecture

# Acronis Backup/Local and Cloud Recovery

| Field Backup / Recovery | Edge Backup / Recovery | Secure Data Communication | Cloud & Data Center |
|---|---|---|---|
| **Local Backup/Recovery** | | | |
| Acronis Hotkey (F11) | | | |
| Acronis Bootable Media | | | Azure Blob Storage |
| **Scheduling** | | AES encryption/ password | |
| Schedule Backup/Recovery | | | |
| **Backup/Recovery to Cloud** | | | |
| Azure Acronis Cloud | | | Acronis Cloud |
| Hardware Devices | | | |

## Service Highlights

**Full Image Backups**
Create exact replicas of an entire disk or selected partition to enable rapid recovery or migration to another computer
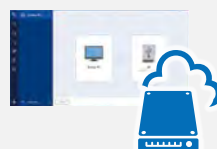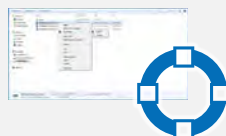
**Dual Protection**
Backup computers and mobile devices to local and external drives, as well as Acronis Cloud Storage to ensure maximum protection
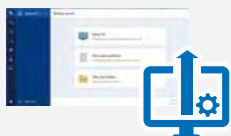
**Powerful Recovery Options**
Recover any file or folder. View backup hierarchies and files securely from any location via a web browser

**Bootable Media/Universal Restore**
Ensures backups can be recovered using Acronis driver injection technology, which makes restored systems bootable on new hardware
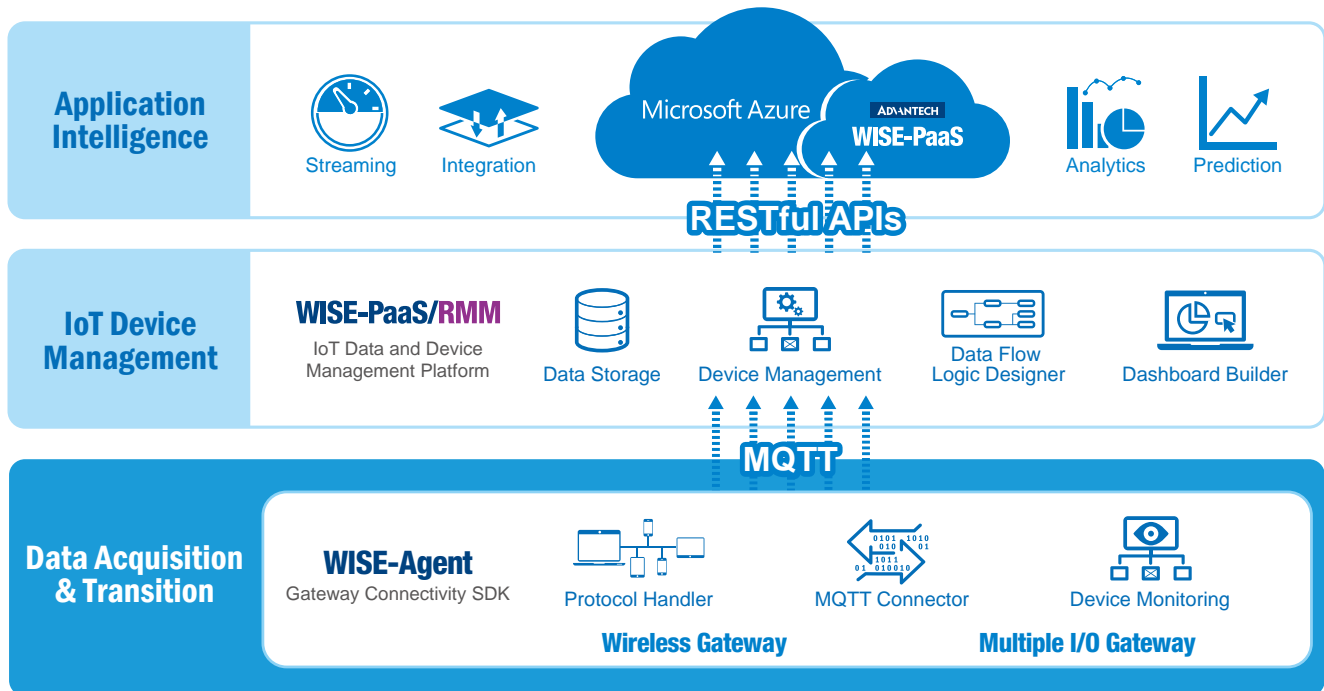
# Remote Device Monitoring and Management Services

## WISE-PaaS/RMM

Advantech strives to integrate IoT solutions by providing pre-integrated, pre-validated hardware and software building blocks that ensure secure and seamless data flows from sensors to the cloud. WISE-PaaS/RMM is one of Advantech's IoT software platform services aimed at remote monitoring and management of IoT devices, bridging layers of IoT platform architecture, and anchoring predictive maintenance, big data analysis, and other domain-specific cloud applications.

## Software Architecture

### Open and Standardized IoT Framework



## Service Highlights

**Remote Device Management**
- Remote monitoring and control (Power On/Off, KVM)
- Devices/groups/map view device management

**Data Acquisition**
- WISE-Agent dynamic data collection module
- Deployment plug-ins for various usage scenarios

**Data Flow Logic Editor**
- IBM Node-RED flow design tool
- Drag and drop plug-in nodes
- Integrated WISE-PaaS/RMM function nodes

**Dashboard Builder**
- Supports widgets for Google Maps, Gauge, Sparkline, Progress Bar, etc.
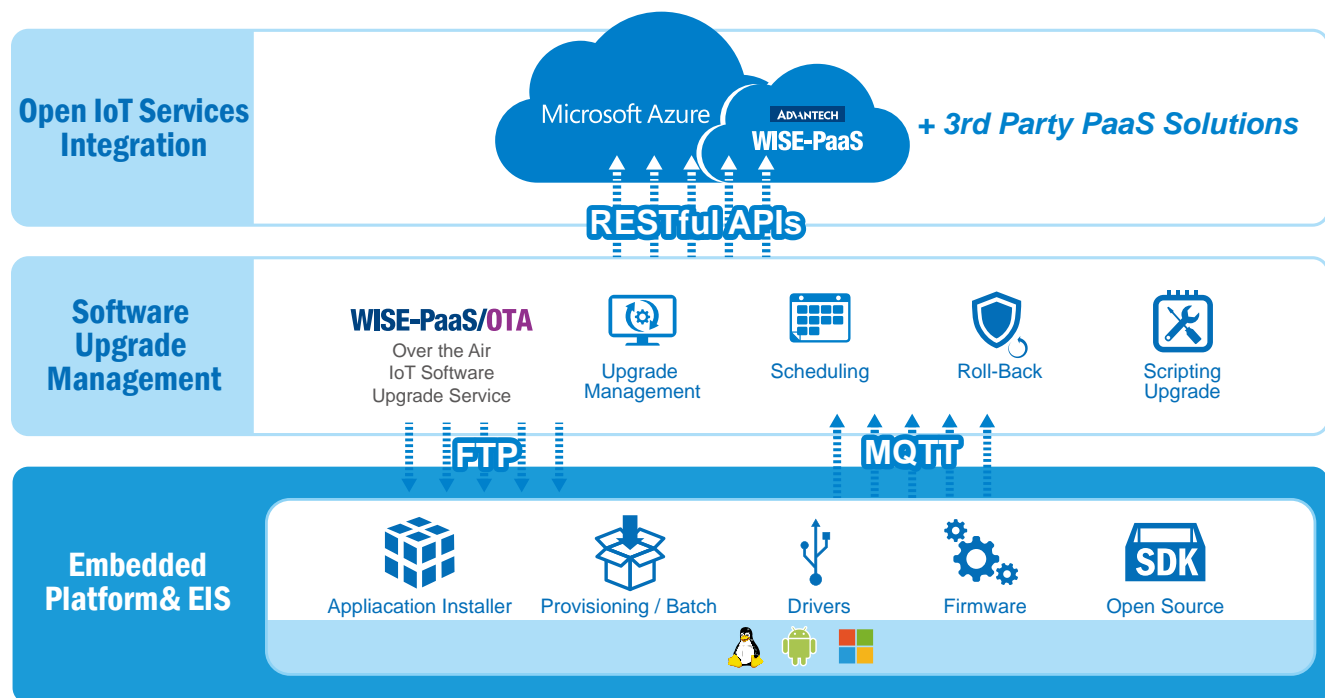- Multiple data source formats supported

# Over-the-Air Software Upgrade Management Services
## WISE-PaaS/OTA

WISE-PaaS/OTA is aimed at remote software updates and supports unified application, provisioning, firmware, driver, and BSP updates. The WISE-PaaS/OTA server can be used to monitor the upgrade process and status, and configure an upgrade schedule for implementing planned updates. Additionally, WISE-PaaS/OTA supports rollback to a previous configuration for exceptions, shell and batch scripting upgrades for more flexible updates, as well as RESTful API web service, which allows OTA functions to be integrated with other applications.

## Software Architecture

### Open IoT Services Upgrade and Integration

**Open IoT Services Integration**

Microsoft Azure · ADVANTECH WISE-PaaS · + 3rd Party PaaS Solutions

RESTful APIs

**Software Upgrade Management**

WISE-PaaS/OTA
Over the Air
IoT Software
Upgrade Service

- Upgrade Management
- Scheduling
- Roll-Back
- Scripting Upgrade

FTP — MQTT

**Embedded Platform & EIS**

- Appliacation Installer
- Provisioning / Batch
- Drivers
- Firmware
- Open Source — SDK

## Service Highlights

### Centralized Update Management
- Update management system
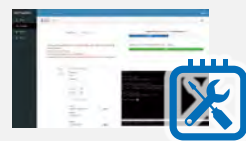- Upgrade process and status can be tracked and monitored by Server

### Upgrade Scheduling
- Download and deployment scheduling for planned upgrades
- Scheduling options include daily, weekly, monthly, and one time only

### Rollback Support
- Supports successful upgrade package backups
- Supports rollbacks to previous configurations for exceptions

### Scripting Upgrades
- Scripting upgrades for more flexible updates
- Supports shell scripting and batch processing

# HMI Runtime Development Software
## WebAccess/HMI

Advantech WebAccess/HMI is powerful yet intuitive software for creating comprehensive HMI solutions. The ease of integration makes WebAccess/HMI a suitable development tool for diverse application fields. WebAccess/HMI features utility programs, such as a recipe editor, text editor, and Data Transfer Helper (DTH), and supports solution-oriented screen objects, high-end vector graphics, data and operation logging, online/offline simulations, and Microsoft Windows fonts for multi-language applications. Included in the WebAccess/HMI package is an HMI Runtime engine that guarantees reliable open platform performance with minimal system overheads, high data communication rates, sub-second screen switching, and 24/7 operation.

### Smart Screen Management
- Shows application screen numbers and names in a traditional text or thumbnail list
- Select screens from the list for editing, cutting, copying, deleting, or exporting

### Efficient Tools for Easier Design Customization
- Real-time WYSIWYG allows users to view changes in object appearance at any time
- Property dialogs with semi-transparent features ensure on-screen objects are visible

### Software Support for Diverse Machines
- 4 communication links with the option to add more RS-485 and TCP/IP
- 1 startup macro, 1 main macro, 4 event macros, 4 time macros, no limitation on other kinds of macros

### Boost Performance with Simulations
- Offline simulation function can help to experience your design result even before decide to purchase this model
- Evaluate the communication performance using online simulation before installation

# Video Core Module
## WebAccess/VCM

Advantech WebAccess/VCM is an intelligent video management system with selectable IVA modules aimed at a variety of applications. Using the SDK, customers can easily integrate WebAccess/IVS with their existing systems to enable video recording, streaming, and IVA metadata. Advantech WebAccess/IVS provides a total solution for constructing an efficient security system based on intelligent video management.

### Readable Data
Data generated from WebAccess/ VCM are events in text format instead of digital or analog triggered signals, which means this data could be crucial information for meaningful analysis.

### Flexible Integration
Deploy WebAccess/VCM client SDK to develop your upper level central management system.

### Expandable Modules
WebAccess/VCM is a solution with an open architecture. For different scenarios, customers can configure the most appropriate video modules for their application.

### Powerful SDK
The SDK package covers a variety of components, such as remote real-time/historical data reception client, remote monitoring, remote playback, as well as remote event feedback and trigger.

# CNC Machine Monitoring Solution
## WebAccess/CNC

Advantech WebAccess/CNC is a core software solution for networking CNC machines. Leveraging the 100% web-based architecture of the WebAccess/SCADA platform, WebAccess/CNC provides not only crucial CNC networking functions, but also the benefits of SCADA software for CNC machining. With the inclusion of I/O device monitoring capabilities, WebAccess/CNC enables CNC information management and status visualization. Internet Explorer can be used to browse SCADA web pages and monitor/capture real-time CNC and production status data to improve efficiency and analyze device availability. Designed specifically for the machine tool market, WebAccess/CNC is integrated with numerous SCADA drivers and can support a wide range of CNC, I/O, and PLC devices to facilitate equipment data collection and industrial networking application development.

### CNC Overview
Provides an overview of real-time connectivity, operating mode, CNC status, alarms, and machine availability data

### Alarm & Operations Data
Provides data of historical alarms and CNC operations to serve as a reference for machine maintenance

### Parameter Configuration
Features a configuration interface for modifying the coordinate and tool compensation parameters

### CNC Information
Provides machine coordination, operation, G code, and spindle information

# Network Management System
## WebAccess/NMS

Advantech WebAccess/NMS is a web browser-based software package that serves as a network management system (NMS) for monitoring, configuring, and maintaining devices via IP-based networks. WebAccess/NMS includes device, alarm, efficiency, topology, and system management functions and supports SNMP and ICMP communication standards to enable management of all Ethernet-enabled Advantech products and diverse third-party devices. By offering an easy-to-use platform for monitoring and managing networks remotely, WebAccess/NMS facilitates centralized network management.

### Hierarchical Architecture
Centralized management systems (CMS) gather device info from the EMS

### Dashboard
WebAccess/NMS is a 100% web based HTML5 NMS with networking software architecture which can be run on any compatible web browser running on any device

### Remote Configuration
Users can click on the device to access the device configuration webpage,

or open telnet and SSH command lines to configure a device

### Remote Desktop
WebAccess/NMS supports HTML5-based remote desktop functions. Web-based remote desktops extend management flexibility for system administrators

# IoT Application Software Framework
## WebAccess/SCADA

WebAccess is the core of Advantech¡¦s industrial IoT application platforms, and not only offers eco-partners and system integrators a human-machine interface (HMI) and supervisory control and data acquisition (SCADA) software, but also serves as an IoT platform and cloud gateway solution. The WebAccess platform was designed to provide comprehensive solutions for IoT data collection, data synchronization and visualization, and multi-project maintenance in order to facilitate the sustainable development of project-based monitoring and control application software for various vertical markets.

**100% Web-based Architecture**
With 100% web-based architecture, users can develop unique vertical applications and monitor projects using a standard web browser

**Cross-platform Dashboard**
Provides business intelligence analytic services by a cross-browser, cross-platform, intelligent HTML5 dashboard
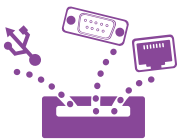
**Support Ample Protocols**
Supports ample protocols and drivers for numerous devices, Advantech I/O modules, controllers, and major PLCs, including Modbus, OPC DA/UA Server or Client.

**Open Interface**
Provides kinds of open interface, including web services (RESTful API and SignalR), widget interface and WebAccess APIs, easy integration with MES and ERP system

# Interactive Multimedia Management Services
## WebAccess/IMM

WebAccess/IMM is an intelligent digital signage software package that features a web-based architecture and allows users to layout, schedule, and dispatch signage contents over the Internet to up to 500 remote display clients. In addition to supporting over 30 media formats, WebAccess/IMM enables users to edit and dispatch content programs in just 3 easy steps. WebAccess/IMM offers content managers a digital communication platform for broadcasting dynamic visual content aimed at increasing audience engagement and interaction, influencing purchase decisions, and generating additional business opportunities.
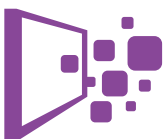
**Web-Based Management**
▪ Remote editing and dispatch programs up to 500 clients
▪ Remote monitoring & reporting
▪ Supports public, private, LAN circumstances

**User-Friendly Interface**
▪ Provides multimedia file backups
▪ Provides system setting and program data backups
▪ Supports one-click configuration and data restore

**Supports 30+ Media Formats**
▪ TV/Webpage/Flash/PPT/Scrolling Text
▪ Image: JPG/GIF/BMP/PNG
▪ Video/ Audio: MPEG/AVI/WMV/WM/MP3/FLV

**System Backups and Restore**
▪ Provides multimedia file backups
▪ Provides system setting and program data backups
▪ Supports one-click configuration and data restore

# Building Edge-to-Cloud Applications with Integrated Hardware and Software

## Introducing Advantech's Edge Intelligence Server

Advantech's Edge Intelligence Server accelerates IoT implementation by providing an integrated solution that features an edge computer, WISE-PaaS software packages, IoT development tools, and pre-configured cloud services, as well as the flexibility to incorporate additional software modules that enable IoT connectivity, data management, and edge analytics.

### WISE-Agent
*IoT Connectivity*

### Pre-Configured Microsoft Azure

**ADVANTECH**
**WISE-PaaS**
Edge Intelligence Platform

### Node-RED
*Data Manageability*

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### WISE-Agent
*IoT Connectivity*

**Edge IoT Application Development**
Open Plug-in SDK and sample code for sensor and data collection

**Data Format Integration**
Supports ODBC plug-in for database and file type data integration

**Industrial Protocol Connectivity**
Provides standard protocols for data collection

**I/O and Sensor Compatiblity**
Integration tested with Advantech M2.COM, ADAM and WISE-4000

### WISE-PaaS
*Built-in*

**WISE-PaaS/RMM**
Remote Monitoring and Management

**WISE-PaaS/OTA**
Remote Software Update

**WISE-PaaS/Security**
Centralize Security Management

**WebAccess/IMM**
Interactive Multimedia

**WebAccess/SCADA**
Smart SCADA

**WebAccess/HMI**
Human Machine Interface

### Node-RED
*Data Manageability*

**RESTful API**
GET PUT POST DELETE
250+

**Easy Application Development**
For application developer to access related functionality and data

**Smart Data Processing**
Data Flow Logic Designer for data processing and flow control
Node-RED

**Zero Downtime**
Data cache storage for secured data transfer
ZDT
RE-DEPLOYMENT

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## Product Offerings

### EIS-D110

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

### EIS-D120

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

### EIS-D150

- 6th Gen Intel® Core™ U-series
- WES7E/ Win 10 Enterprise
- COM , GbE, iDoor
- Wi-Fi, Bluetooth

## Focus Vertical Market Application

**Equipment Predictive Maintenance**
- Sensor/Protocol Management
- Data Insight & Edge Analytics
- Real-time Reaction

**Smart Factory**
- Diverse FieldBus Interfaces (OPC; ModBus; CANBus)
- Operation Efficiency Optimization

**Smart Retail**
- RFID Connectivity
- Interactive Multimedia and Content Management
- Cloud Database Management

# Product Ordering Information

**WISE-PaaS/RMM**
Remote Monitoring and Management

**WISE-PaaS/RMM**

| Part Number | Product | WISE Points (Perpetual) |
|---|---|---|
| 32EMRMP31B | WISE-PaaS/RMM Pro (Max 10 devices) | 41 |
| 32EMRMP31C | WISE-PaaS/RMM Pro (Max 50 devices) | 189 |
| 32EMRMP31D | WISE-PaaS/RMM Pro (Max  200 devices) | 720 |
| 32EMRMP31E | WISE-PaaS/RMM Pro (Site License) | 1,800 |
| 9806WSCC01 | WISE-PaaS/RMM Design-in Service(10 hours) | 100 |

**WISE-PaaS/OTA**
Over-the-air Remote Software Upgrade

**WISE-PaaS/OTA**

| Part Number | Product | WISE Points (Perpetual) |
|---|---|---|
| 32EMOTAP2B | WISE-PaaS/OTA Pro(Max 100 devices) | 8 |
| 32EMOTAP2C | WISE-PaaS/OTA Pro(Max 500 devices) | 36 |

**WISE-PaaS/Security**
Centralized Security Management

**WISE-PaaS/Security**

| Part Number | Product | WISE Points (Perpetual) |
|---|---|---|
| 31WPSEPO01 | ePolicy Orchestrator(ePO) | 0 |

**McAfee™**
Embedded Security and Endpoint Protection

**McAfee**

| Part Number | Product | WISE Points (Perpetual) |
|---|---|---|
| 31WPSMAP01 | Application Control with ePO | 3 |
| 31WPSMIC01 | Integrity Control | 11 |
| 31WPSMES0A | Endpoint Security | 3 |
| 31WPSMAC01 | Application Control | 2 |
| 31WPSMEC01 | Embedded Control | 6 |

**Acronis**
System Backup and Recovery

**Acronis**

| Part Number | Product | WISE Points (Perpetual) |
|---|---|---|
| 31WPSALO16 | True Image 2016 Personal | 1 |
| 31WPSAMO16 | True Image 2016 Full | 3 |

**Microsoft Azure**
Azure Cloud Platform Services

Microsoft Azure

| Part Number | Product | WISE Points (Monthly Subscription) |
|---|---|---|
| 9806AZUREA | Azure Cloud Infra. Standard (Windows) | 10 (50 devices) |
| 9806AZUREB | Azure Cloud Intra. Advanced (Windows) | 30 (100 devices) |
| 9806AZUREC | Azure Cloud Infra. Premier (Windows) | 100 (500 devices) |
| 9806AZURED | Azure Cloud Infra. Standard (Ubuntu 16.04) | 6 (50 devices) |
| 9806AZUREE | Azure Cloud Intra. Advanced (Ubuntu 16.04) | 22 (100 devices) |
| 9806AZUREF | Azure Cloud Infra. Premier (Ubuntu 16.04) | 40 (500 devices) |
| 9806AZURER | Azure Remote Monitoring | 50 |
| 9806AZUREP | Azure Predict Maintenience | 100 |

**Arm Mbed Cloud**
Centralized IoT Management From Sensor to Cloud

arm MBED

| Part Number | Product | WISE Points (Monthly Subscription) |
|---|---|---|
| 9806WMMBC0 | Arm Device Management ( max 100 devices) | 3 |
| 9806WMMBP0 | Arm End-to-end Security ( max 100 devices) | 4 |
| 9806WMMBU0 | Arm Software Update ( max 100 devices) | 5 |

**Pre-Configured Solution Packages**

| Part Number | Product | WISE Points (Monthly Subscription) |
|---|---|---|
| 9806WMDMP0 | Device Management Package | 40(100 devices) |
| 9806WMUMP0 | Software Upgrade Deployment Package | 35(500 devices) |
| 9806WMDMS0 | Device Management & Security Package | 40(100 devices) |
| 9806WMSMP0 | Centralized Security Deployment Package | 30 |

**Edge Intelligence Server (EIS)**

| Part Number | Product and Configure |
|---|---|
| EISD110W1SS641-BTO | EIS-D110/WES7E/4G RAM/64G SSD (2016/12) |
| EISD110W1SS141-BTO | EIS-D110/WES7E/4G RAM/128G SSD (2016/12) |
| EISD110E1SS641-BTO | EIS-D110/Win 10 Ent. /4G RAM/64G SSD (Win10 ; 2017/01) |
| EISD120W1DS641-BTO | EIS-D120/WES7E/4G RAM/64G SSD (2017/02) |
| EISD120E1DS641-BTO | EIS-D120/Win 10 Ent. /4G RAM/64G SSD (2017/02) |
| EISD150W1DS641-BTO | EIS-D150/WES7E/4G RAM/64G SSD (2017/03) |
| EISD150E1DS641-BTO | EIS-D150/ Win 10 Ent. /4G RAM/64G SSD (2017/03) |

# Product Ordering Information

**WebAccess/SCADA 8.2**
Smart HMI/SCADA
Professional Version

**WebAccess/SCADA**

| Part Number | Product | WISE Points (Regular) |
| --- | --- | --- |
| WA-P82-U075E | WebAccess Professional 8.2 : 75 I/O, 75 internal tags, 1024 clients | 36 |
| WA-P82-U150E | WebAccess Professional 8.2 : 150 I/O, 150 internal tags, 1024 clients | 53 |
| WA-P82-U300E | WebAccess Professional 8.2 : 300 I/O, 300 internal tags, 1024 clients | 94 |
| WA-P82-U600E | WebAccess Professional 8.2 : 600 I/O, 600 internal tags, 1024 clients | 152 |
| WA-P82-U15HE | WebAccess Professional 8.2 : 1500 I/O, 1500 internal tags, 1024 clients | 211 |
| WA-P82-U50HE | WebAccess Professional 8.2 : 5,000 I/O, 5000 internal tags, 1024 clients | 316 |
| WA-P82-U20KE | WebAccess Professional 8.2 : 20,000 I/O, 20000 internal tags, 1024 clients | 421 |
| WA-P82-U64KE | WebAccess Professional 8.2 : Unlimited I/O, unlimited internal tags, 1024 clients | 526 |

**WebAccess/SCADA 8.2 Professional Upgrade**
Smart HMI/SCADA

**WebAccess/SCADA**

| Part Number | Product | WISE Points (Regular) |
| --- | --- | --- |
| WA-X82-U000E | WebAccess Version Upgrade, from 7.x to 8.1 or 8.2 | 2 |
| WA-X82-U075E | WebAccess software license, 75 tags upgrade | 22 |
| WA-X82-U300E | WebAccess software license, 300 tags | 66 |
| WA-X82-U600E | WebAccess software license, 600 tags upgrade | 123 |
| WA-X82-U15HE | WebAccess software license, 1,500 tags upgrade | 178 |
| WA-X82-U50HE | WebAccess software license, 5,000 tags upgrade | 275 |

**WebAccess/CNC**
CNC Machine Monitoring Solution

**WebAccess/CNC**

| Part Number | Product | WISE Points |
| --- | --- | --- |
| WA-CNC-U001E | 75 I/O tags, 1 CNC machine connections | |
| WA-CNC-U005E | 75 I/O tags, 5 CNC machine connections | |
| WA-CNC-U010E | 75 I/O tags, 10 CNC machine connections | |
| WA-CNC-U020E | 75 I/O tags, 20 CNC machine connections | **Only for VIP Members** |
| WA-CNC-X005E | 0 I/O tag, 5 CNC machine connections upgrade | |
| WA-CNC-X010E | 0 I/O tag, 10 CNC machine connections upgrade | |

**WebAccess/HMI**

HMI Runtime Development Software

**WebAccess/HMI**

| Part Number | Product | WISE Points (Regular) |
|---|---|---|
| 968WH021P0 | WebAccess/HMI V2.1 150 tags S/W license | 14 |
| 968WH021P1 | WebAccess/HMI V2.1 300 tags S/W license | 23 |
| 968WH021P2 | WebAccess/HMI V2.1 1500 tags S/W license | 34 |
| 968WH021P3 | WebAccess/HMI V2.1 5000 tags S/W license | 89 |
| WA-H21-U99HE | WebAccess/HMI V2.1 9990 Tags with USB Dongle | 133 |

**ebAccess/VCM**

Video Core Module

**WebAccess/VCM**

| Part Number | Product | WISE Points (Regular) |
|---|---|---|
| IVS-110-01 | WebAccess/VCM Standard 4CH | 20 |
| IVS-200-01 | WebAccess/VCM Standard 8CH | 35 |
| IVS-210VCM-01 | WebAccess/VCM Standard 16CH | 60 |
| IVS-230-01 | WebAccess/VCM Standard 32CH | 85 |
| IVS-320-01 | WebAccess/VCM Profession 4CH | 40 |
| IVS-320-02 | WebAccess/VCM Profession 8CH | 80 |

**WebAccess/NMS**

Network Management

**WebAccess/NMS**

| Part Number | Product | WISE Points (Regular) |
|---|---|---|
| NMS-U050-ULE | WebAccess/NMS Professional Software with 50 nodes | 54 |
| NMS-U100-ULE | WebAccess/NMS Professional Software with 100 nodes | 74 |
| NMS-U300-ULE | WebAccess/NMS Professional Software with 300 nodes | 135 |
| NMS-U500-ULE | WebAccess/NMS Professional Software with 500 nodes | 240 |
| NMS-U01K-ULE | WebAccess/NMS Professional Software with 1000 nodes | 300 |
| NMS-U04K-ULE | WebAccess/NMS Professional Software with 4,000 nodes | 635 |

**WebAccess/IMM**

Interactive Multimedia

**WebAccess/IMM**

| Part Number | Product | WISE Points (Regular) |
|---|---|---|
| AIS-PNWS-FE | WebAccess/IMM 1 Server license | 16 |
| AIS-PNWC-FE | WebAccess/IMM 1 Client license | 16 |

# Order in 3 Easy Steps at the WISE-PaaS Marketplace

**Visit WISE-PaaS Marketplace**

**1.**

**Step 1: Login & Register**

**Subscribe and Redeem**

**2.**

**Step 2: Check & Submit**

**Download and Deploy**

**3.**

**Step 3: Configuration**

## Regional Service & Customization Centers

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| **China** Kunshan 86-512-5777-5666 | **Taiwan** Taipei 886-2-2792-7818 | **Netherlands** Eindhoven 31-40-267-7000 | **Poland** Warsaw 00800-2426-8080 | **USA** Milpitas, CA 1-408-519-3898 |

## Worldwide Offices

### Greater China

**China**
| Toll Free | 800-810-0345 |
|---|---|
| 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**
| Toll Free | 0800-777-111 |
|---|---|
| Neihu | 886-2-2792-7818 |
| Xindian | 886-2-2218-4567 |
| Taichung | 886-4-2329-0371 |
| Kaohsiung | 886-7-229-3600 |

### Middle East and Africa
| Israel | 072-2410527 |
|---|---|

### Asia

**Japan**
| Toll Free | 0800-500-1055 |
|---|---|
| Tokyo | 81-3-6802-1021 |
| Osaka | 81-6-6267-1887 |
| Nagoya | 81-52-856-9657 |

**Korea**
| Toll Free | 080-363-9494 |
|---|---|
| Seoul | 82-2-3663-9494 |

**Singapore**
| Singapore | 65-6442-1000 |
|---|---|

**Malaysia**
| Kuala Lumpur | 60-3-7725-4188 |
|---|---|
| Penang | 60-4-537-9188 |

**Thailand**
| Bangkok | 66-2-248-3140 |
|---|---|

**India**
| Bangalore | 91-80-2545-0206 |
|---|---|
| Pune | 91-20-3948-2075 |

**Indonesia**
| Jakarta | 62-21-751-1939 |
|---|---|

**Australia**
| Toll Free | 1300-308-531 |
|---|---|
| Melbourne | 61-3-9797-0100 |

### Europe

**Germany**
| Toll Free | 00800-2426-8080/81 |
|---|---|
| Munich | 49-89-12599-0 |
| Düsseldorf | 49-2103-97-855-0 |

**France**
| Paris | 33-1-4119-4666 |
|---|---|

**Italy**
| Milano | 39-02-9544-961 |
|---|---|

**Benelux & Nordics**
| Breda | 31-76-523-3100 |
|---|---|

**UK**
| Newcastle | 44-0-191-262-4844 |
|---|---|
| London | 44-0-870-493-1433 |

**Poland**
| Warsaw | 48-22-31-51-100 |
|---|---|

**Russia**
| Moscow | 8-800-555-01-50 |
|---|---|
| St. Petersburg | 8-800-555-81-20 |

**Czech Republic**
| Ústí nad Orlicí | 420-465-521-020 |
|---|---|

**Ireland**
| Oranmore | 353-91-792444 |
|---|---|

### Americas

**North America**
| Toll Free | 1-888-576-9668 |
|---|---|
| Cincinnati | 1-513-742-8895 |
| Milpitas | 1-408-519-3898 |
| Irvine | 1-949-420-2500 |
| Ottawa | 1-815-434-8731 |

**Brazil**
| Toll Free | 0800-770-5355 |
|---|---|
| São Paulo | 55-11-5592-5355 |

**Mexico**
| Toll Free | 1-800-467-2415 |
|---|---|
| Mexico City | 52-55-6275-2727 |

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