WISE-PaaS/Embedded

Enabling IoT Edge Intelligence with a Collaborative Software Ecosystem
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.
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.
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.

Service Highlights

Solution Incubation
Diverse WISE-PaaS and WebAccess software and services

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

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

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

### Ecosystem Co-Prosperity

**Service Exposure**
Sell your IoT solutions and services on the WISE-PaaS Marketplace.

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

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

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

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### 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.
Advantech provides Azure cloud services for both its custom service packages and pre-configured solution packages to assist customers with connecting their industrial solutions to the cloud. Custom cloud infrastructure services are offered at three monthly rates. This allows customers to choose the package that best fits their needs and ensures they only pay for what they use. Alternatively, Advantech also offers pre-configured solution packages that can be deployed immediately without configuration. Azure Remote Monitoring is the entry-level cloud package compared to the Predictive Maintenance Package, which offers a wider range of cloud applications. Pre-configured solution packages serve as ladders for connecting devices, analyzing typically ignored data, integrating business systems, and transforming business models and revenue streams.
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

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

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.

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

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

Software Architecture

McAfee IoT Platform Reference Security Model
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.

### Service Highlights

<table>
<thead>
<tr>
<th><strong>Full Image Backups</strong></th>
<th><strong>Dual Protection</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Create exact replicas of an entire disk or selected partition to enable rapid recovery or migration to another computer.</td>
<td>Backup computers and mobile devices to local and external drives, as well as Acronis Cloud Storage to ensure maximum protection.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Powerful Recovery Options</strong></th>
<th><strong>Bootable Media/Universal Restore</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Recover any file or folder. View backup hierarchies and files securely from any location via a web browser.</td>
<td>Ensures backups can be recovered using Acronis driver injection technology, which makes restored systems bootable on new hardware.</td>
</tr>
</tbody>
</table>
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

Service Highlights

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

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

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

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.

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.

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

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

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

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

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.
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.

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.
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.

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.

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.
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.

Product Offerings

**EIS-D110**
- Intel® Celeron® J 1900
- WES7E/Win 10 Enterprise
- COM, GbE
- Wi-Fi, Bluetooth

**EIS-D120**
- Intel® Celeron® J 1900
- 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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
<th>WISE Points (Perpetual)</th>
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<tbody>
<tr>
<td>32EMRMP31B</td>
<td>WISE-PaaS/RMM Pro (Max 10 devices)</td>
<td>41</td>
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<tr>
<td>32EMRMP31C</td>
<td>WISE-PaaS/RMM Pro (Max 50 devices)</td>
<td>189</td>
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<tr>
<td>32EMRMP31D</td>
<td>WISE-PaaS/RMM Pro (Max 200 devices)</td>
<td>720</td>
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<tr>
<td>32EMRMP31E</td>
<td>WISE-PaaS/RMM Pro (Site License)</td>
<td>1,800</td>
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<tr>
<td>9806WSCC01</td>
<td>WISE-PaaS/RMM Design-in Service (10 hours)</td>
<td>100</td>
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#### WISE-PaaS/OTA
Over-the-air Remote Software Upgrade

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<tr>
<th>Part Number</th>
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<tbody>
<tr>
<td>32EMOTAP2B</td>
<td>WISE-PaaS/OTA Pro (Max 100 devices)</td>
<td>8</td>
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<tr>
<td>32EMOTAP2C</td>
<td>WISE-PaaS/OTA Pro (Max 500 devices)</td>
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#### WISE-PaaS/Security
Centralized Security Management

<table>
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<th>Part Number</th>
<th>Product</th>
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<tr>
<td>31WPS EPO01</td>
<td>ePolicy Orchestrator (ePO)</td>
<td>0</td>
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#### McAfee™
Embedded Security and Endpoint Protection

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
<th>WISE Points (Perpetual)</th>
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</thead>
<tbody>
<tr>
<td>31WPSMAP01</td>
<td>Application Control with ePO</td>
<td>3</td>
</tr>
<tr>
<td>31WPSMIC01</td>
<td>Integrity Control</td>
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</tr>
<tr>
<td>31WPSMES0A</td>
<td>Endpoint Security</td>
<td>3</td>
</tr>
<tr>
<td>31WPSMAC01</td>
<td>Application Control</td>
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<tr>
<td>31WPSMEC01</td>
<td>Embedded Control</td>
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#### Acronis
System Backup and Recovery

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
<th>WISE Points (Perpetual)</th>
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<tbody>
<tr>
<td>31WPSALO16</td>
<td>True Image 2016 Personal</td>
<td>1</td>
</tr>
<tr>
<td>31WPSAMO16</td>
<td>True Image 2016 Full</td>
<td>3</td>
</tr>
</tbody>
</table>
### Microsoft Azure
#### Centralized IoT Management
**From Sensor to Cloud**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
<th>WISE Points (Monthly Subscription)</th>
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<tbody>
<tr>
<td>9806AZUREA</td>
<td>Azure Cloud Infra. Standard (Windows)</td>
<td>10 (50 devices)</td>
</tr>
<tr>
<td>9806AZUREB</td>
<td>Azure Cloud Infra. Advanced (Windows)</td>
<td>30 (100 devices)</td>
</tr>
<tr>
<td>9806AZUREC</td>
<td>Azure Cloud Infra. Premier (Windows)</td>
<td>100 (500 devices)</td>
</tr>
<tr>
<td>9806AZURED</td>
<td>Azure Cloud Infra. Standard (Ubuntu 16.04)</td>
<td>6 (50 devices)</td>
</tr>
<tr>
<td>9806AZUREE</td>
<td>Azure Cloud Infra. Advanced (Ubuntu 16.04)</td>
<td>22 (100 devices)</td>
</tr>
<tr>
<td>9806AZUREF</td>
<td>Azure Cloud Infra. Premier (Ubuntu 16.04)</td>
<td>40 (500 devices)</td>
</tr>
<tr>
<td>9806AZURER</td>
<td>Azure Remote Monitoring</td>
<td>50</td>
</tr>
<tr>
<td>9806AZUREP</td>
<td>Azure Predict Maintenance</td>
<td>100</td>
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</table>

### Arm Mbed Cloud
#### Pre-Configured Solution Packages

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
<th>WISE Points (Monthly Subscription)</th>
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</thead>
<tbody>
<tr>
<td>9806WMMBC0</td>
<td>Arm Device Management (max 100 devices)</td>
<td>3</td>
</tr>
<tr>
<td>9806WMMBP0</td>
<td>Arm End-to-end Security (max 100 devices)</td>
<td>4</td>
</tr>
<tr>
<td>9806WMMBU0</td>
<td>Arm Software Update (max 100 devices)</td>
<td>5</td>
</tr>
</tbody>
</table>

### Edge Intelligence Server (EIS)

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product and Configure</th>
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<tbody>
<tr>
<td>EISD110W1S641-BTO</td>
<td>EIS-D110/WES7E/4G RAM/64G SSD (2016/12)</td>
</tr>
<tr>
<td>EISD110W1S141-BTO</td>
<td>EIS-D110/WES7E/4G RAM/128G SSD (2016/12)</td>
</tr>
<tr>
<td>EISD110E1S641-BTO</td>
<td>EIS-D110/Win 10 Ent. /4G RAM/64G SSD (Win10 ; 2017/01)</td>
</tr>
<tr>
<td>EISD120W1DS641-BTO</td>
<td>EIS-D120/WES7E/4G RAM/64G SSD (2017/02)</td>
</tr>
<tr>
<td>EISD120E1DS641-BTO</td>
<td>EIS-D120/Win 10 Ent. /4G RAM/64G SSD (2017/02)</td>
</tr>
<tr>
<td>EISD150W1DS641-BTO</td>
<td>EIS-D150/WES7E/4G RAM/64G SSD (2017/03)</td>
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<tr>
<td>EISD150E1DS641-BTO</td>
<td>EIS-D150/Win 10 Ent. /4G RAM/64G SSD (2017/03)</td>
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</table>
## Product Ordering Information

### WebAccess/SCADA 8.2
Smart HMI/SCADA

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

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

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

### WebAccess/CNC
CNC Machine Monitoring Solution

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
<th>Only for VIP Members</th>
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</thead>
<tbody>
<tr>
<td>WA-CNC-U001E</td>
<td>75 I/O tags, 1 CNC machine connections</td>
<td></td>
</tr>
<tr>
<td>WA-CNC-U005E</td>
<td>75 I/O tags, 5 CNC machine connections</td>
<td></td>
</tr>
<tr>
<td>WA-CNC-U010E</td>
<td>75 I/O tags, 10 CNC machine connections</td>
<td></td>
</tr>
<tr>
<td>WA-CNC-U020E</td>
<td>75 I/O tags, 20 CNC machine connections</td>
<td></td>
</tr>
<tr>
<td>WA-CNC-X005E</td>
<td>0 I/O tag, 5 CNC machine connections upgrade</td>
<td></td>
</tr>
<tr>
<td>WA-CNC-X010E</td>
<td>0 I/O tag, 10 CNC machine connections upgrade</td>
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</tbody>
</table>
### WebAccess/HMI
HMI Runtime Development Software

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Product</th>
<th>WISE Points (Regular)</th>
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<tbody>
<tr>
<td>968WH021P0</td>
<td>WebAccess/HMI V2.1 150 tags S/W license</td>
<td>14</td>
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<tr>
<td>968WH021P1</td>
<td>WebAccess/HMI V2.1 300 tags S/W license</td>
<td>23</td>
</tr>
<tr>
<td>968WH021P2</td>
<td>WebAccess/HMI V2.1 1500 tags S/W license</td>
<td>34</td>
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<td>968WH021P3</td>
<td>WebAccess/HMI V2.1 5000 tags S/W license</td>
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<td>WA-H21-U99HE</td>
<td>WebAccess/HMI V2.1 9990 Tags with USB Dongle</td>
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### ebAccess/VCM
Video Core Module

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<th>Part Number</th>
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<td>IVS-110-01</td>
<td>WebAccess/VCM Standard 4CH</td>
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<td>IVS-200-01</td>
<td>WebAccess/VCM Standard 8CH</td>
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<td>WebAccess/VCM Standard 16CH</td>
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<td>IVS-230-01</td>
<td>WebAccess/VCM Standard 32CH</td>
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<td>IVS-320-01</td>
<td>WebAccess/VCM Profession 4CH</td>
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<td>IVS-320-02</td>
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### WebAccess/NMS
Network Management

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<tr>
<td>NMS-U050-ULE</td>
<td>WebAccess/NMS Professional Software with 50 nodes</td>
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<tr>
<td>NMS-U100-ULE</td>
<td>WebAccess/NMS Professional Software with 100 nodes</td>
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<td>NMS-U300-ULE</td>
<td>WebAccess/NMS Professional Software with 300 nodes</td>
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<tr>
<td>NMS-U500-ULE</td>
<td>WebAccess/NMS Professional Software with 500 nodes</td>
<td>240</td>
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<td>NMS-U01K-ULE</td>
<td>WebAccess/NMS Professional Software with 1000 nodes</td>
<td>300</td>
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<td>NMS-U04K-ULE</td>
<td>WebAccess/NMS Professional Software with 4,000 nodes</td>
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### WebAccess/IMM
Interactive Multimedia

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<th>Part Number</th>
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<td>AIS-PNWS-FE</td>
<td>WebAccess/IMM 1 Server license</td>
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<td>AIS-PNWC-FE</td>
<td>WebAccess/IMM 1 Client license</td>
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