WA-SU SCADA Series

Embedded SCADA Box PC with WebAccess/SCADA

NEW

WebAccess/SCADA

intel Security | Acronis | WISE-PaaS/RMM | iDoor | CCC | CE | FCC | cULus LISTED

Features

Open SCADA Solution by Application-Ready-Package includes:

Embedded SCADA Box PC
- Industrial fanless compact design with palm and regular form factor
- Flexible stand, wall, VESA, Din-rail mounting options
- Powerful Intel Celeron/Core i3 processor performance
- 128 GB SSD installed
- Microsoft Windows Embedded 7 Pro 64-bit installed
- Supports iDoor technology for flexible I/O expansion and wireless communication options

WebAccess/SCADA
- Preinstalled WebAccess/SCADA 1500 tags
- 100 % Web-based SCADA software architecture as key player connects all devices between OT/IT level
- Remote SCADA monitoring by HTML5-based dashboard on iOS, Android mobile devices
- Supports Open Data Protocols: OPC UA/DA, DDE, and Modbus
- Supports Open Database: SQL, Oracle, MySQL and Acces

Introduction

The WA-SU SCADA series is a complete application-ready-package offering which includes Embedded SCADA Box PC with fanless compact form factor design, 128G SSD, Microsoft Windows embedded 7 Pro and WebAccess/SCADA. This allows users to easily achieve an integrated SCADA solution, the Web-based real-time production information system, correlating the production data within manufacturing operation for intelligent factory management in industries.

The built-in WebAccess/SCADA plays the key role to integrate data from different operating field side sources to centric network stations, cloud based data servers and thin client mobile devices. The open Web interface supporting multiple data protocols, APIs and HTML5 enables user to develop cloud based cross-system IoT applications on in various vertical markets.

Ready-to-go Open SCADA Solution Package enabling Industry 4.0 includes:

- Embedded SCADA Box PC
- 128G SSD
- Microsoft Windows embedded 7 Pro 64bit
- WebAccess/SCADA Professional 1500 tags

Open SCADA Solutions Specifications

Real-time Factory Monitoring by Mobile Devices
- HTML5-based dashboard displays real-time information on IE 11, Safari, Chrome and Firefox across Android, iOS and Windows mobile devices
- Includes ample widget library and builder for customized data, trend, alarm analysis page
- Supports open RESTful/SignalR APIs allowing user to withdraw SCADA data showing on APPs
- Supports maximum 1,024 client terminal without further license

Production Information in Cloud
- Empower the efficiency of all engineering works such as database configuration, system management by 100 % Web-based SCADA software architecture
- Supports SQL, Oracle, MySQL and MS Access for cloud-based database management
- Exports self-defined / daily / weekly / monthly / yearly report with EXCEL spread sheet
- Integrated with WISE-PaaS/RMM that users can monitor remote device status such as CPU loading, fan speed and restore all the history on cloud server
- Broadcasts alarm message via email, SMS when abnormal or suspicious production data is detected

Data Integration from Sensors, HMI to Controllers
- Supports OPC-UA/DA, DDE, Modbus and BACnet Server/Client to communicate with WebAccess/HMI or other 3rd party software.
- WebAccess/SCADA and WebAccess/HMI, supporting more than 500 industrial protocols, enables the manufacturing data integration from remote sensors, operational HMI, facilities controllers – e.g. The WA-SU/SU SCADA PCs are able to simultaneously communicate with WA-HT/HU HMI PCs to get the machinery data and upload the real-time processing information to cloud data server where broadcasts factory production message on thin client terminal such as mobile devices

Reliable Distributed SCADA System Design for Field side Operation
- Supports WA-ST/SU SCADA system redundancy: The WA-ST/SU platforms communicates with backup ports or devices if the primary connection is lost and automatically restores to the primary unit when the connection becomes available
- Fanless compact design for higher reliability and less maintenance effort
- Stand, wall, VESA and Din-rail mounting for any field side installation
- Supports remote system status monitoring by WISE-PaaS/RMM
- Approved Certifications: BSMI, CCC, CE, FCC Class A,, UL
- Wide operating temperature

Configuration Options

Series	Embedded SCADA Box PC	
Ordering P/N	WA-SU2473G-J15H5AE	WA-SU2483G-315H5AE
Embedded Automation PC	UNO-2473G-J3AE	UNO-2483G-434AE
Operating System	Microsoft WES 7 Pro (64bit)	
SCADA Software	WebAccess/SCADA Professional 1500 tags	
Form Factor	Regular Size	
CPU	Intel Celeron J1900 2.4GHz	Intel Core i3-4010U 1.7GHz
Memory	4G DDR3L SDRAM	8G DDR3L SDRAM
Display Type	HDMI: 1920 x 1080 @60Hz VGA: 2560 x 1600 @60Hz	HDMI: 3200 x 2000 @60Hz VGA: 1920 x 1200 @60Hz
Storage	128G SSD	
Expansion Slots	Full-size Mini PCIe x 1	Full-size Mini PCIe x 2
Mounting	Stand, Wall	
	Din-Rail, VESA (with optional kit)	
Network(LAN)	10/100/1000 Base-T x 2	10/100/1000 Base-T x 4
I/O Port	RS-232 x 2, RS-422/485 x 2 USB 2.0 x 4 USB 3.0 x 1 Line-in/out x 1	RS-232 x 2 RS-422/485 x 2 USB 2.0 x 2 USB 3.0 x 2 Line-in/out x 1
iDoor Expansion	iDoor x 1	
DC Power Input (Voltage)	10 ~ 36 VDC	24VDC ± 20%
Power Consumption	24W	28 W
Operating Temperature	-10 ~ 55°C	-20 ~ 60°C
Dimensions	252 x 149 x 62 mm	
Certification	CE, FCC, UL, CCC, BSMI	

Ordering Information

- **WA-SU2473G-J15H5AE** UNO-2473G-J3AE, SCADA Runtime 1500 tags, 128G SSD, WES7P
- **WA-SU2483G-315H5AE** UNO-2483G-434AE, SCADA Runtime 1500 tags, 128G SSD, WES7P

Accessories

- **PWR-247-CE** 100-240V 60W 24V 2.5A Power Supply for WA-SU2473G
- **1757002161** 100-240V 150W 19V 7.89A Power Supply for WA-SU2483G
- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1700000596** Power Cable China/Australia Plug 1.8 M
- **UNO-2000G-DMKAE** Din-rail kit for WA-SU2473G/ WA-SU2483G
- **UNO-2000G-VMKAE** VESA Mount kit for WA-SU2473G/ WA-SU2483G

Selected iDoor Modules

- **PCM-24D2R2-AE** OXPCIe-952 UART, Isolated RS-232, DB9 x 2
- **PCM-24D2R4-AE** OXPCIe-952 UART, Isolated RS-422/485, DB9 x 2
- **PCM-24D4R2-AE** OXPCIe-954 UART, Non-Isolated RS-232, DB37 x 1
- **PCM-24D4R4-AE** OXPCIe-954 UART, Non-Isolated RS-422/485, DB37 x 1
- **PCM-24U2U3-AE** USB 3.0, mPCIe, USB-A type x 2
- **PCM-24S2WF-AE** 802.11 a/b/g/n 2T2R w/ Bluetooth4.0, Half-size mPCIe
- **PCM-24R1TP-AE** Intel® 82574L, GbE, RJ45 x 1

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