



AE-5231-CE7

AVEVA Edge WP-5000-CE7

Features

- AVEVA Edge runtime license ready
- Windows Embedded Compact 7 Operating System
- RTC (Real-time clock)
- 64-bit Hardware Serial Number for Software Protection
- Various Communication Interfaces
 - 1 x 10/100/1000BASE-T Ethernet Port
 - 4 x Serial Ports (RS-232/485)
 - 1 x USB 2.0 (host)



Introduction

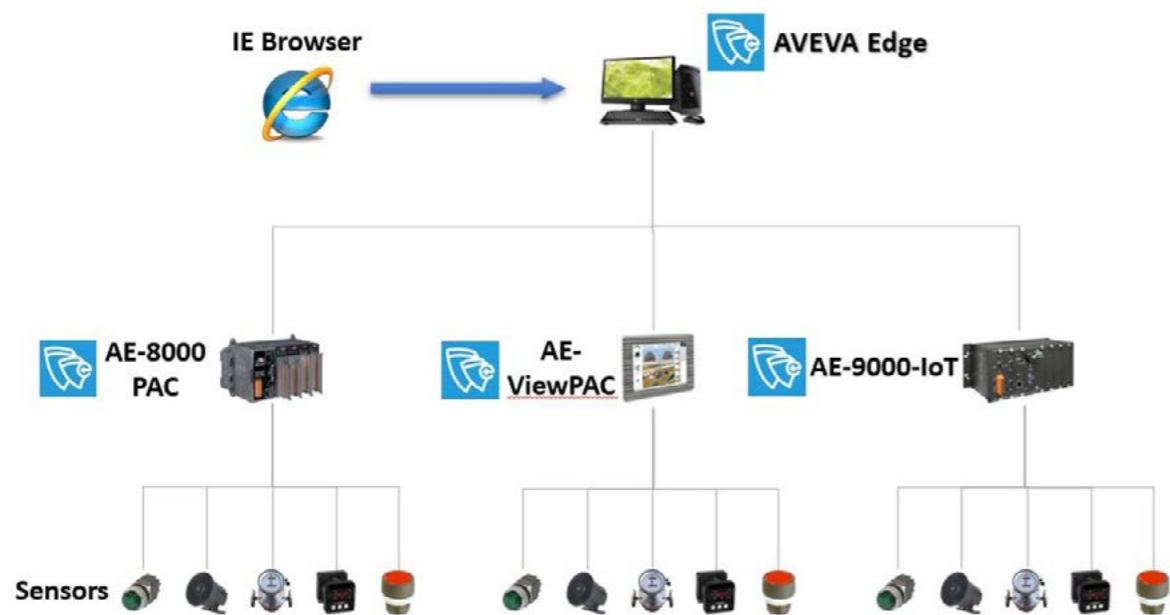
The **AE-5231-CE7** is CE7 based WinPAC that combine computing, I/O, and operator interface into a single unit, and provide the perfect solution for data acquisition and control in an individual PAC. It is equipped with an ARM Cortex-A8 (32-bit and 1 GHz) CPU and a variety of input/output ports (USB, Ethernet, RS-232/485). Remote I/O expansion is available to use Ethernet I/O modules and RS-232/485 I/O modules.

This WinPAC also features with the powerful **AVEVA Edge**.

AVEVA Edge is the most powerful, integrated collection of e-automation development tool that includes all the building blocks needed to develop Human Machine Interface (HMI) and Supervisory Control and Data Acquisition (SCADA) systems. Compared to traditional IPC + PLC solutions, WinPAC reduces overall system cost, space and gives you all the best features of IPC and PLC.

Applications

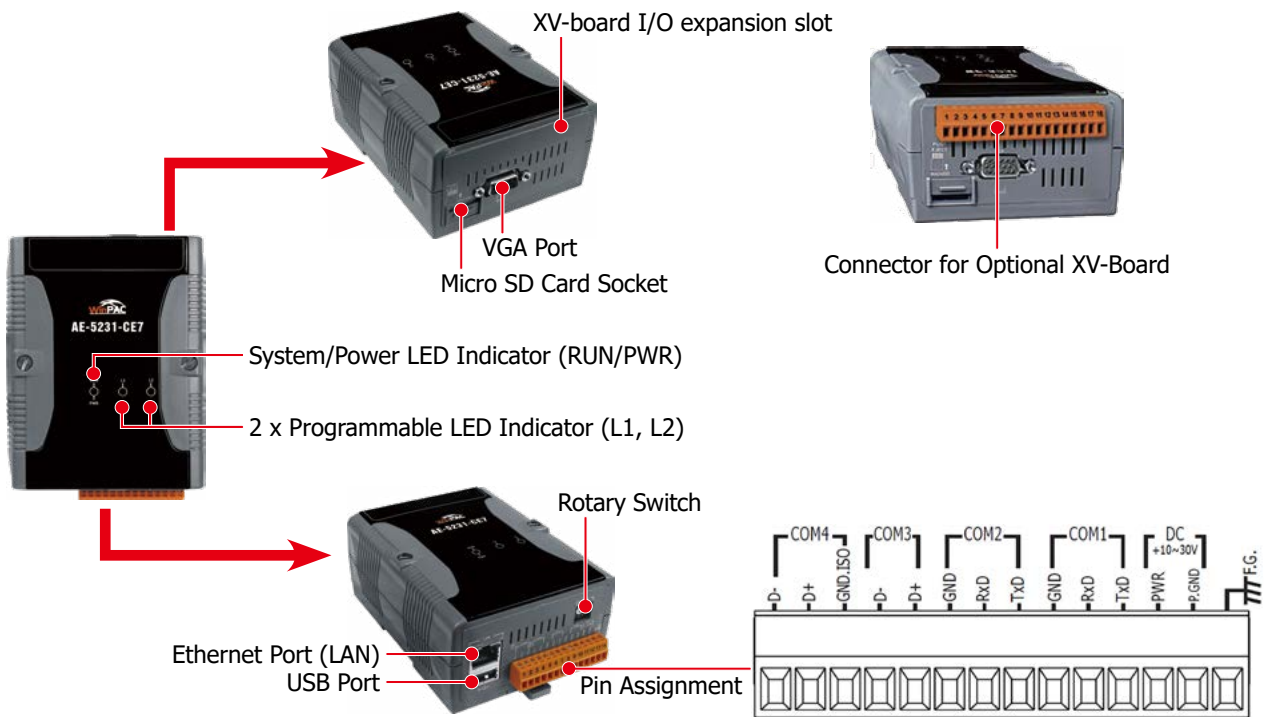
Environment monitoring, factory automation, building management system, industrial machine control, etc.



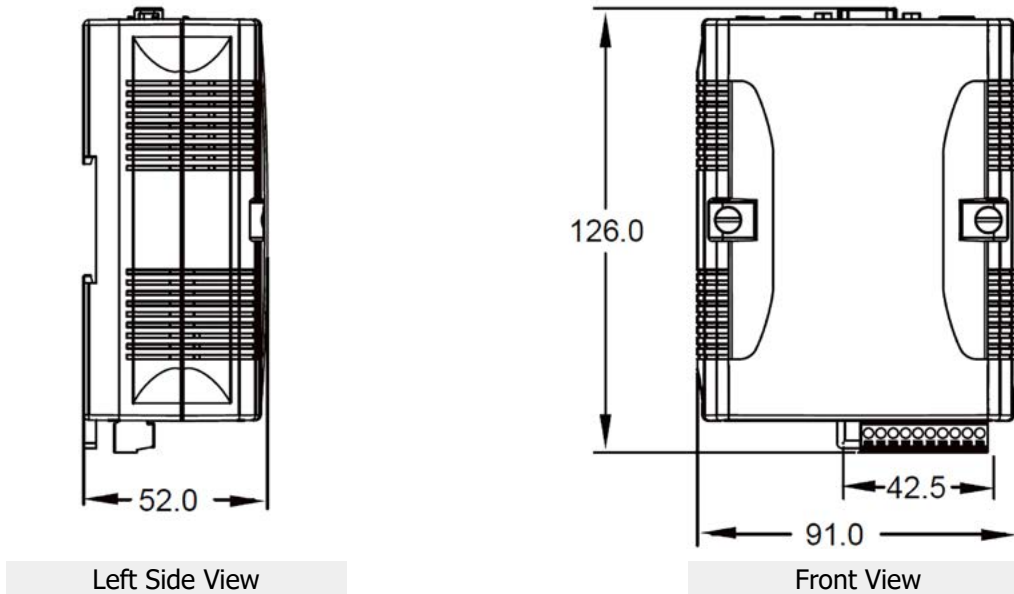
System Specifications

Model	AE-5231-CE7
Software	
OS	Windows CE 7.0
Framework Support	.Net Compact Framework 3.5
Service	FTP Server, Web Server (Supports VB script, JAVA script), Embedded SQL Server
SDK Provided	Dll for VC, Dll for Visual Studio.Net 2008
Multilanguage Support	English, German, French, Spanish, Russian, Italian, Korean, Simplified Chinese, Traditional Chinese
Preloaded Software	AVEVA Edge Runtime
CPU Module	
CPU	Cortex-A8, 1.0 GHz
SDRAM	512 MB DDR3
Flash	256 MB
EEPROM	64 KB
Storage	4 GB microSD card (up to 32 GB)
RTC (Real Time Clock)	Provide seconds, minutes, hours, dates, day of week, month, year
64-bit Hardware Serial Number	Yes, for software copy protection
Watchdog Timer	Dual Watchdog Timer
Rotary Switch	1 x 10 Position (0 ~ 9)
Buzzer	Yes
Display	
VGA Resolution	640 × 480, 800 × 480, 800 × 600, 1024 × 768
LED Indicators	1 x System/Power, 2 x Programmable
Communication Ports	
Ethernet	1 x RJ-45, 10/100/1000 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)
USB 2.0 (host)	1
COM 1	RS-232 (RxD, TxD, and GND); Non-isolated
COM 2	RS-232 (RxD, TxD, and GND); Non-isolated
COM 3	RS-485 (Data+, Data-); Non-isolated
COM 4	RS-485 (Data+, Data-); 2500 VDC isolated
I/O Expansion	
I/O Expansion Slot	One optional XV-board
Mechanical	
Casing	Plastic
Dimension (W x L x H)	91 mm x 132 mm x 52 mm
Ingress Protection Rating	IP30 (Aluminum)
Installation	DIN-Rail Mounting
Environmental	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-40 ~ +80 °C
Ambient Relative Humidity	10 ~ 90 % RH, Non-condensing
Power	
Input Range	+12 ~ 48 VDC
Consumption	4.8 W (0.2 A @ 24 VDC)

Appearance



Dimensions (Units: mm)



Ordering Information

AVEVA Edge Default Runtime License: 300 Tags, Unlimited Drivers	
AE-5231-CE7 CR	AVEVA Edge (300 tags) Based WinPAC (WinCE 7.0) (RoHS)
AVEVA Edge Default Runtime License: 1500 Tags, Unlimited Drivers	
AE-5231-CE7-1500 CR	AVEVA Edge (1500 tags) Based WinPAC (WinCE 7.0) (RoHS)