

Features

- Windows Embedded Standard 7
- Windows CE 6.0
- Hard Real-Time Capability
- Rich I/O Expansion Ability (RS-232/RS-485, FRnet,CAN)
- VGA Port Output
- Support eLogger HMI
- Redundant Power Inputs
- Operating Temperature: -25°C to +75°C



Introduction

The XP-8000-WES7 are WES7 based PACs that combine computing, I/O, and operator interface into a single unit, and provide the perfect solution for integrating HMI, data acquisition and control in an individual PAC. It is equipped with a x86 (1 GHz, dual-core) CPU, 0/1/3/7 I/O expansion slot(s) and a variety of connectives including dual Gigabit Ethernet, VGA, USB port, RS-232 and RS-485 interface. Local I/O slots are available to use our I-8K and I-87K series I/O modules and remote I/O expansions are available to use our Ethernet I/O modules and RS-485 I/O modules.

Since WES7 has the same Win32 API as Windows 7, most popular applications on desktop can run on WES7 based PACs.

Windows Embedded Standard 7

Most of the popular features in Windows software are included, such as EWF (Enhanced Write Filter), Remote Desktop Connection, IIS, ASP/ASP.NET, .NET Framework 4.5 and also supports rich development software solutions, such as VS 6.0, VS.NET, VB, Delphi, BCB, InduSoft.



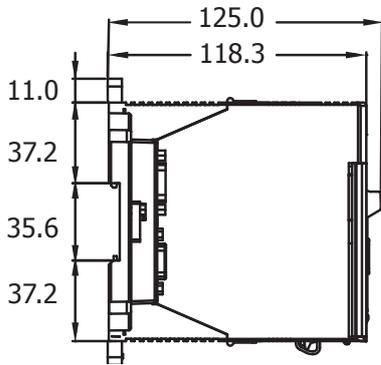
- The key features are
- • Full Win32 API
- • Remote Desktop Protocol 5.1
- • Silverlight 4.0
- • Enhanced Write Filter
- • Microsoft .NET Framework 4.5

Specifications

Models	XP-8031-WES7	XP-8131-WES7	XP-8331-CE6	XP-8731-WES7
System Software				
OS	Windows Embedded Standard 7			
.Net Compact Framework	4.5			
Embedded Service	IE11, FTP Server, IIS 7.0, ASP (Java Script, VB Script)			
SDK Provided	DII for VC, DII for Visual Studio.Net			
Multilanguage Support	English, German, French, Spanish, Russian, Italian, Czech, Japanese, Korean, Simplified Chinese, Traditional Chinese			
CPU Module				
CPU	x86 CPU, 1 GHz, dual-core			
System Memory	2 GB DDR3			
MRAM	Non-volatile Memory, 512 KB (retain memory without battery support)			
Flash	32 GB			
EEPROM	16 KB			
CF Card	CF socket with one 16 GB CF card (support up to 32 GB)			
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month, year			
LED Indicator	2			
Hardware Serial Number	Yes, 64-bit Hardware Serial Number for Software Copy Protection			
Dual Watchdog Timers	Yes			
Rotary Switch	Yes (0 to 9)			
DIP Switch	-	Yes (8 bits)		
Audio	Microphone-In and Earphone-Out			
VGA & Communication Ports				
VGA	Yes, (resolution: 1024 x 768, 800 x 600 , 640 x 480)			
Ethernet (Giga bit)	RJ-45 x 2, 10/100/1000 Base-T (Auto-negotiating, Auto MDI/MDI-X, LED indicators)			
USB 2.0	4			
COM 1	RS-232 (RxD, TxD and GND); non-isolated	Internal communication with the high profile I-87K series modules in slots		
COM 2	RS-232 (RxD, TxD and GND); non-isolated			
COM 3	RS-485 (Data+, Data-) with internal self-tuner ASIC; 3000 VDC isolated			
COM 4	RS-232/RS-485 (RxD, TxD, CTS, RTS, GND for RS-232, Data+, Data- for RS-485); non-isolated			
COM 5	RS-232 (RxD, TxD, CTS, RTS, DSR, DTR, CD, RI and GND); non-isolated			
No. of I/O Expansion Slots	0	1	3	7
Mechanical				
Dimensions (W x L x H)	137 x 132 x 125 mm	169 x 132 x 125 mm	231 x 132 x 125 mm	355 x 132 x 125 mm
Installation	DIN-Rail or Wall Mounting			
Environmental				
Operating Temperature	-25 to +75°C			
Storage Temperature	-30 to +80°C			
Ambient Relative Humidity	10 to 90% RH, non-condensing			
Power				
Input Range	+10 to +30 VDC			
Isolation	1 kV			
Redundant Power Inputs	Yes, with one power relay (1 A @ 24 VDC) for alarm			
Capacity	20 W	25 W	30 W	35 W
Consumption	12W (0.5 A @ 24 VDC)	16.6 W (0.69 A @ 24 VDC)	16.8 W (0.7 A @ 24 VDC)	18 W (0.75 A @ 24 VDC)

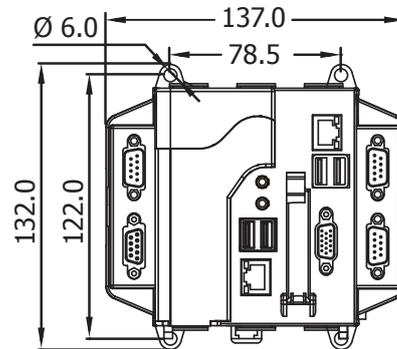
■ Dimensions

Side View



Front View

XP-8031-WES7

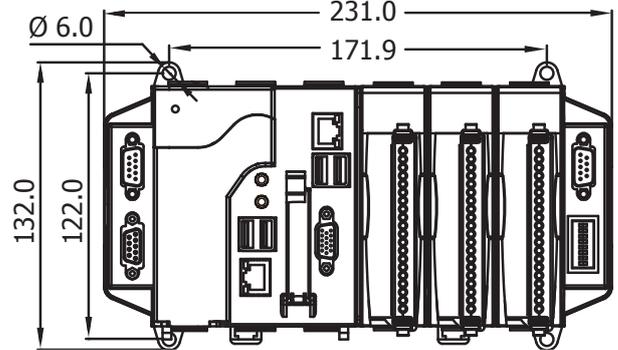
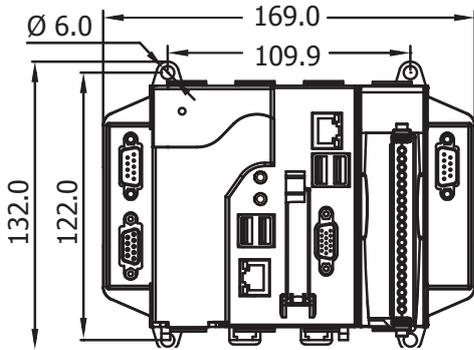


Front View

XP-8131-WES7

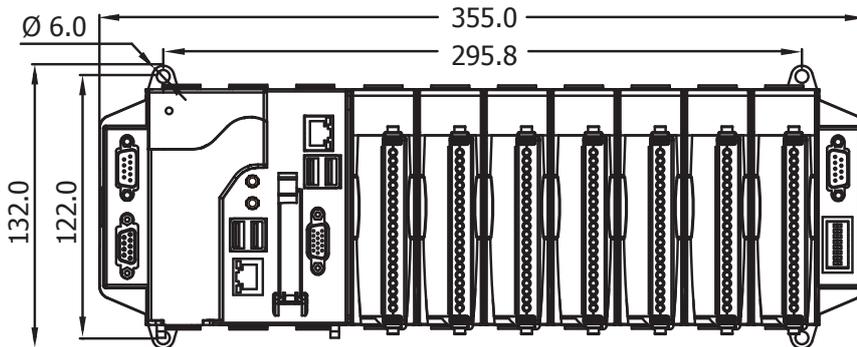
Front View

XP-8331-WES7



Front View

XP-8731-WES7



■ Ordering Information

XP-8031-WES7	Standard XP-8000 with x86 CPU and WES7 OS (RoHS)
XP-8131-WES7	Standard XP-8000 with x86 CPU, WES7 OS, and 1 I/O Slot (RoHS)
XP-8331-WES7	Standard XP-8000 with x86 CPU, WES7 OS, and 3 I/O Slots (RoHS)
XP-8731-WES7	Standard XP-8000 with x86 CPU, WES7 OS, and 7 I/O Slots (RoHS)