



XP-9181-IoT/XP-9381-IoT/XP-9781-IoT

1/3/7-slot Metal Standard PAC with
E3845 CPU and Windows 10 IoT

Features

- Windows 10 IoT Enterprise (64-bit)
- Intel® Atom™ E3845 1.91 GHz
- 4 GB DDR3 SDRAM
- 64 GB SSD
- VGA / HDMI Display Output
- 2 10/100/1000M Ethernet Ports
- Redundant Power Input



Introduction

The XP-9000-IoT are Windows 10 IoT Enterprise 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 an Intel E3827/E3845 CPU, 1/3/7 I/O expansion slots 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-9K and I-97K series I/O modules and remote I/O expansions are available to use Ethernet I/O modules and RS-485 I/O modules.

Windows 10 IoT Enterprise runs on 64-bit x86 platform with support for both Universal Windows App and Classic Windows applications.

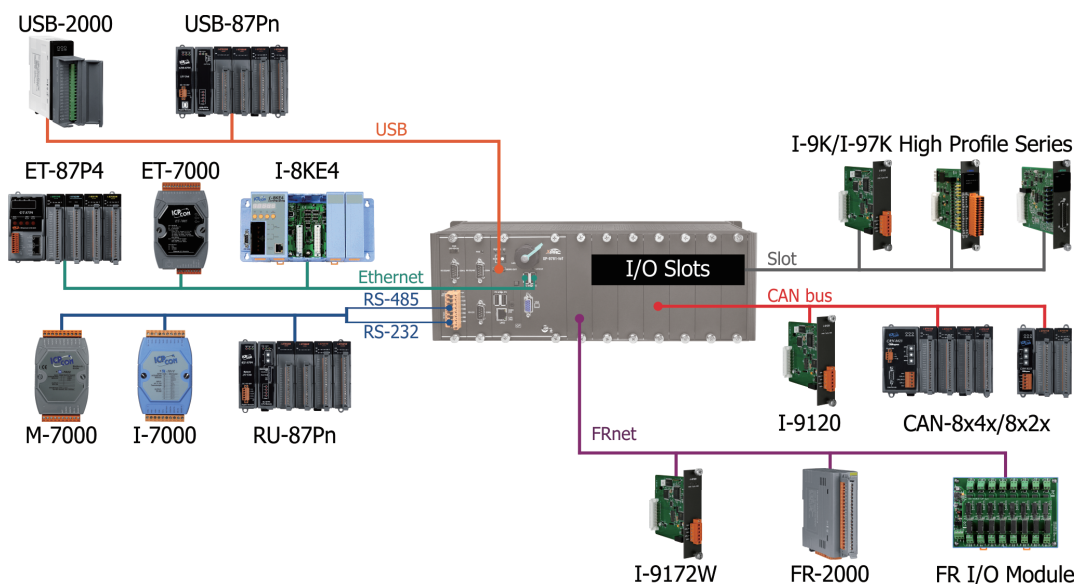
Windows 10 IoT



Windows 10 IoT is a member of the Windows 10 family that brings enterprise-class power, security and manageability to the Internet of Things. It leverages Windows' embedded experience, ecosystem and cloud connectivity, allowing organizations to create their Internet of Things with secure devices that can be quickly provisioned, easily managed, and seamlessly connected to an overall cloud strategy.

- Traditional Windows Shell with Advanced Lockdown Features
- Full Windows UI support (e.g. UWP, WinForms, etc)

Applications

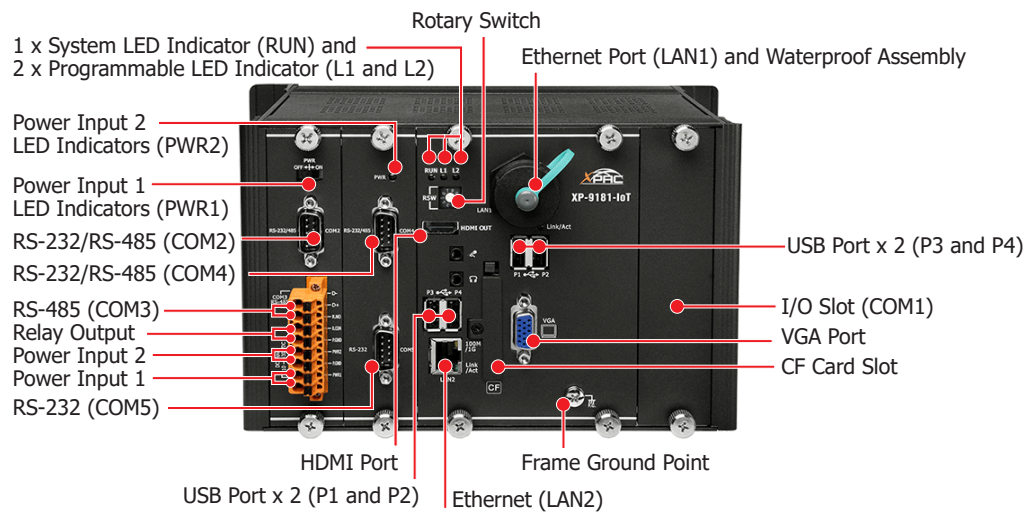


Specifications

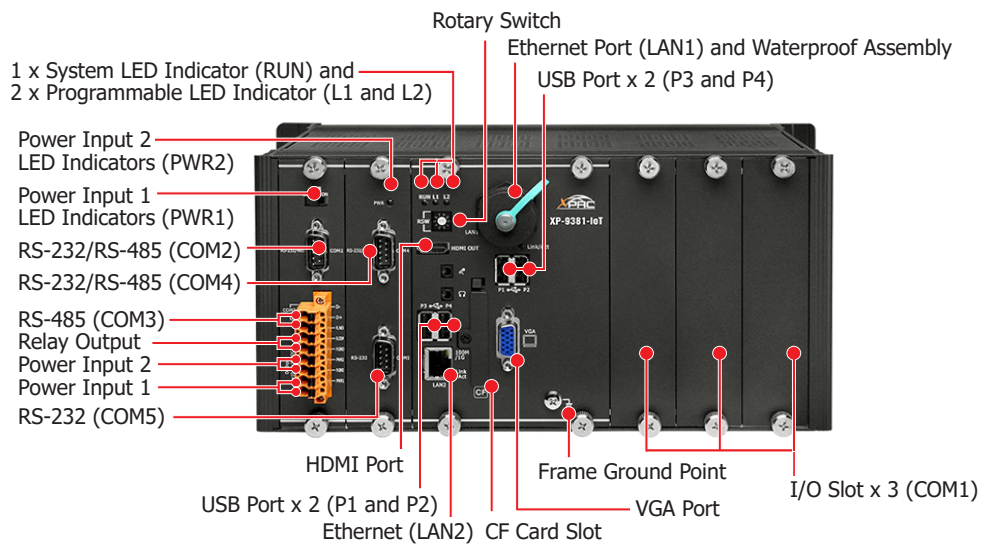
Model	XP-9181-IoT		XP-9381-IoT	XP-9781-IoT
Software				
OS	Windows 10 IoT Enterprise (64-bit)			
Service	IE11, FTP Server, IIS 7.0, ASP (Java Script, VB Script)			
Framework Support	.Net Framework 3.5 ~ 4.8			
Multilanguage Support	English, German, French, Spanish, Portuguese, Russian, Italian, Korean, Japanese, Simplified Chinese, Traditional Chinese			
SDK	DII for VC, DII for Visual Studio.Net			
Main Unit				
CPU	E3845, 1.91 GHz, 64-bit quad core			
64-bit Hardware Serial Number	Yes			
System Memory	4 GB DDR3 SDRAM, 64 GB Flash			
Storage	64 GB SSD, 32 GB CF card			
Non-Volatile Memory	128 KB MRAM, 16 KB EEPROM			
Real Time Clock	Provide seconds, minutes, hours, dates, day of week, month, year			
Watchdog Timer	Dual Watchdog Timer			
Display				
Signal	VGA, HDMI			
Resolution	VGA 1280 x 1024 ~ 1920 x 1080 (16 : 9), 640 x 480 ~ 1024 x 768 (4 : 3) HDMI 2560 x 1600 @ 24bpp			
LED Indicators				
Status	1 x System, 2 x Power, 2 x Programmable			
I/O Expansion				
I/O Type	I-9K, I-97K series			
Slots	1	3	7	
COM Ports				
Ports	1 x RS-232 (3000 VDC Isolated), 1 x RS-485 (3000 VDC Isolated), 2 x RS-232/RS-485 (3000 VDC Isolated)			
HMI				
Buzzer	Yes			
Rotary Switch	1 x 10 Position (0 ~ 9)			
Audio				
Cable	Microphone-in and Earphone-out			
Ethernet				
Ports	2 x RJ-45, 10/100/1000 Base-TX			
USB				
Ports	4 x USB 2.0			
Power				
Input Range	+10 ~ 30 VDC (1 kV Isolated)			
Redundant Power Inputs	Yes			
Consumption	18.5 W	18.7 W	20.4 W	
Mechanical				
Dimensions(W x L x H)	239 x 164 x 133 mm	300 x 164 x 133 mm	422 x 164 x 133 mm	
Installation	DIN-Rail, Wall mounting			
Environmental				
Operating Temperature	-25 ~ +60 ° C			
Storage Temperature	-30 ~ +80 ° C			
Humidity	10 ~ 90 % RH (non-condensing)			

Appearance

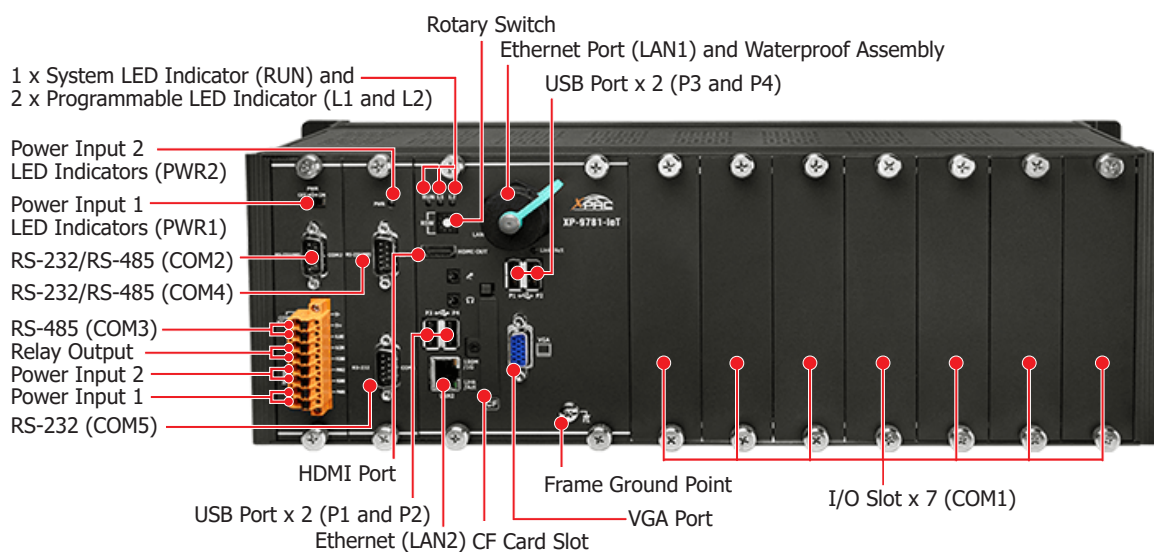
XP-9181-IoT



XP-9381-IoT

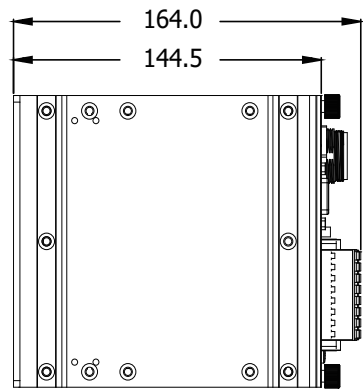


XP-9781-IoT



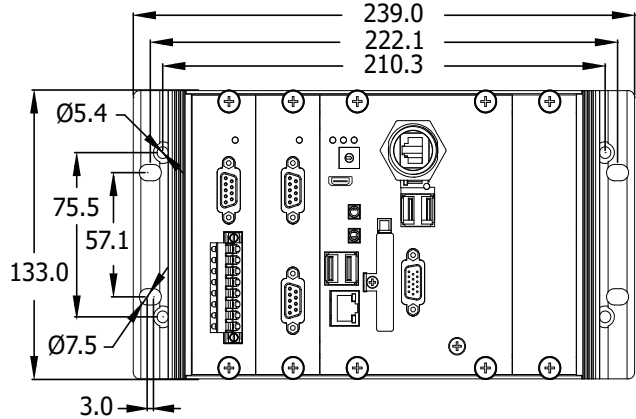
■ Dimensions (Units: mm)

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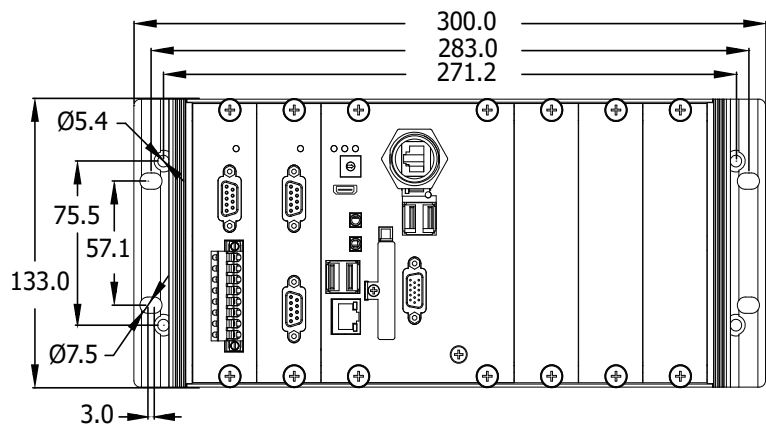
Left Side View

XP-9181-IoT



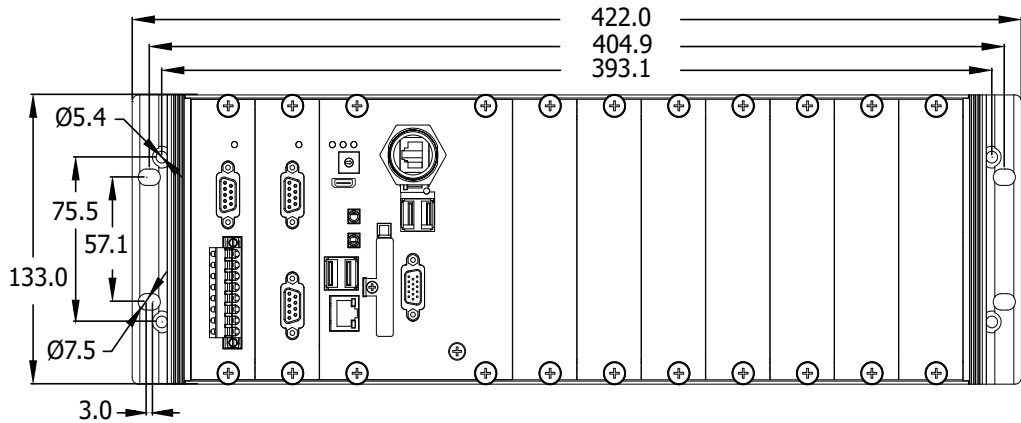
Front View

XP-9381-IoT



Front View

XP-9781-IoT



Front View

■ Ordering Information

XP-9181-IoT CR	1-slot Metal Standard PAC with E3845 CPU and Windows 10 IoT (RoHS)
XP-9381-IoT CR	3-slot Metal Standard PAC with E3845 CPU and Windows 10 IoT (RoHS)
XP-9781-IoT CR	7-slot Metal Standard PAC with E3845 CPU and Windows 10 IoT (RoHS)