

XP-8041/8341/8741

Windows Embedded Standard 2009 (Programmable Automation Controller)

XPAC-8000 Series Programmable Automation Controller

XP-8041/XP-8341/XP-8741



Highlight Information

- Windows Embedded Standard 2009
- IIS, ASP.NET, .NET Framework 3.5
- SQL Server 2005 Express Edition
- VS6.0, VS.NET 2003/2005/2008 Supported
- AMD LX800 CPU (32-bit and 500 MHz)
- 1 GB RAM, 4 GB Built-In Flash, 8 GB CF Card
- One VGA Port, Dual USB Ports
- Dual Ethernet Ports (10/100M)
- 5 Serial Ports (RS-232/RS-485)
- Dual Watchdog Timer
- Operating Temperature: -25 °C ~ +75 °C

● Introduction

XP-8x41 Series (XP-8041, XP-8341, XP-8741) is the new generation PAC of ICP DAS. It equips a AMD LX800 CPU (500 MHz) running a Windows Embedded Standard 2009 operating system, variant connectivity (VGA, USB, Ethernet, RS-232/RS-485) and 0/3/7 slots for high performance parallel I/O modules (high profile I-8K series) and serial-type I/O modules (high profile I-87K I/O modules).

Its operating system, Windows Embedded Standard 2009, has many advantages. Most of all, Windows Embedded Standard 2009 has the same Win32 API as Windows XP Professional, that is, almost every desktop program can be easily porting to Windows Embedded Standard 2009. This effectively reduces the efforts of developments and shortens the time to market.



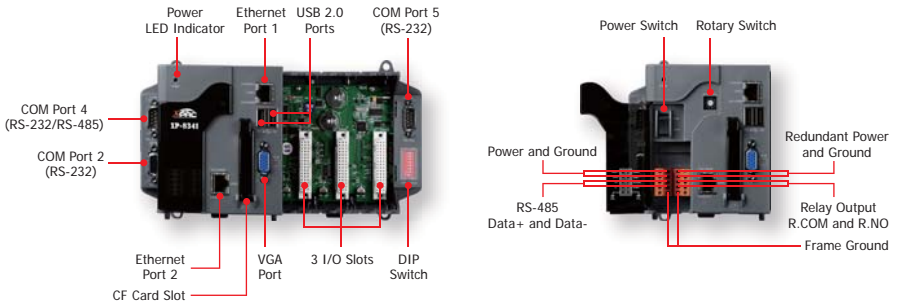
● Features

Software	Hardware
<ul style="list-style-type: none"> ■ Windows Embedded Standard 2009 ■ Internet Information Services <ul style="list-style-type: none"> □ FTP server and web server ■ ASP.NET ■ SQL Server 2005 Express Edition ■ .NET Framework 3.5 ■ Remote Desktop Connection ■ Built-in OPC Server (Quicker) ■ InduSoft <ul style="list-style-type: none"> □ HMI and SCADA development tool ■ Rich Software Solutions <ul style="list-style-type: none"> □ SDK for Microsoft Visual Studio.NET 2003/2005/2008 and Visual Studio 6.0 	<ul style="list-style-type: none"> ■ Powerful CPU Module <ul style="list-style-type: none"> □ AMD LX800 CPU (32-bit and 500 MHz) ■ Rich Memories <ul style="list-style-type: none"> □ RAM (1 GB), Built-in Flash Disk (4 GB), EEPROM (16 KB), Dual Battery-Backup SRAM (512 KB), CF Card (8 GB) ■ VGA Port x 1, USB 2.0 Ports x 2 ■ 64-bit Hardware Serial Number <ul style="list-style-type: none"> □ Unique to Avoid Software Pirating ■ Dual Watchdog Timers ■ 5 Serial Ports (RS-232/RS-485) ■ Dual Ethernet Ports (10/100M) ■ Redundant Power Input ■ -25 °C ~ +75 °C Operating Range

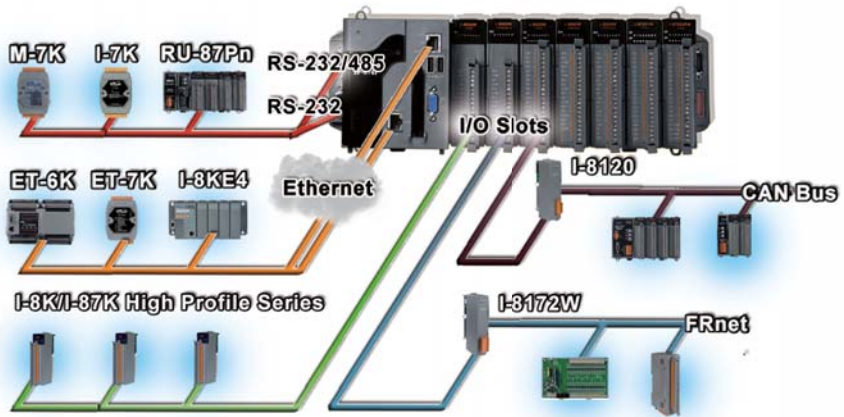
● Specifications

Models	XP-8041	XP-8341	XP-8741
System Software			
OS	Microsoft Windows Embedded Standard 2009 (including SQL Server 2005 Express; Internet Information Service 5.1)		
CPU Module			
CPU	AMD LX800 processor		
System Memory	1 GB RAM		
Dual Battery Backup SRAM	512 KB (for 5 years data retain)		
Flash	4 GB as IDE Master		
EEPROM	16 KB		
	Data Retention: 40 years; 1,000,000 erase/write cycles		
CF Card	8 GB (support up to 32 GB)		
64-bit Hardware Serial Number	Yes		
Dual Watchdog Timer	Yes		
Rotary Switch	Yes (0 ~ 9)		
DIP Switch	-	Yes (8 bits)	
VGA & Communication Ports			
VGA	640 x 480 ~ 1600 x 1200		
Ethernet Port	RJ-45 x 2, 10/100 Base-TX Ethernet Controller (Auto-negotiating, auto MDI/MDI-X, LED indicator)		
USB 2.0	2		
COM 1	-	Internal communication with I-87K modules in slots	
COM 2	RS-232 (RXD, TXD and GND); Non-isolation		
COM 3	RS-485	D2+, D2-; self-tuner ASIC inside	
	Isolation	3000 V _{DC}	
COM 4	RS-232 (RXD, TXD, CTS, RTS, DSR, DTR, CD, RI and GND); Non-isolation	RS-232/RS-485 (RXD, TXD, CTS, RTS and GND for RS-232, Data+ and Data- for RS-485); Non-isolation	
COM 5	-	RS-232 (RXD, TXD, CTS, RTS, DSR, DTR, CD, RI and GND); Non-isolation	
I/O Expansion Slots			
Slot Number	0 slot	3 slots	7 slots
Hot Plug * Will be available	-	I/O Module Hot Swap Ability	
Mechanical			
Dimensions (W x L x H, Unit: mm)	116 x 132 x 125	231 x 132 x 125	355 x 132 x 125
Installation	DIN-Rail or Wall Mounting		
Environmental			
Operating Temperature	-25 °C ~ +75 °C		
Storage Temperature	-30 °C ~ +85 °C		
Ambient Relative Humidity	5% ~ 90% RH, non-condensing		
Power			
Capacity	1.8A, 5V supply to CPU and backplane, total 15 W	1.8A, 5V supply to CPU and backplane, 5.2A, 5V supply to I/O expansion slots, total 35 W	2.0A, 5V supply to CPU and backplane, 5.0A, 5V supply to I/O expansion slots, total 35 W
Consumption	14.4 W (0.6 A @ 24 V _{DC})	14.4 W (0.6 A @ 24 V _{DC})	16.8 W (0.7 A @ 24 V _{DC})

● Appearance

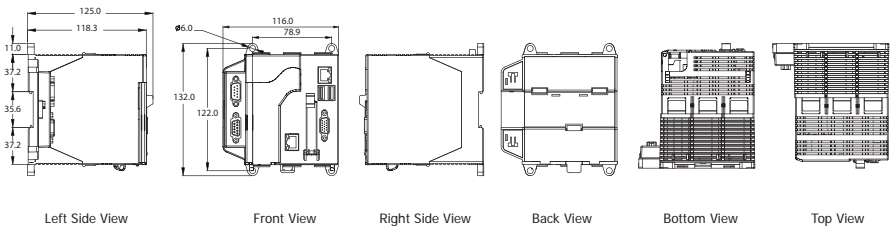


● Rich I/O Expansion Ability

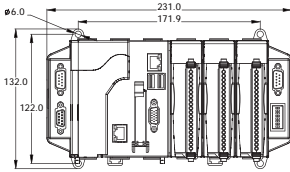


● Dimensions (Unit: mm)

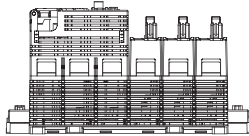
XP-8041



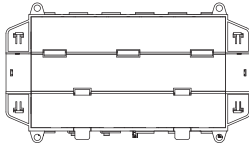
XP-8341



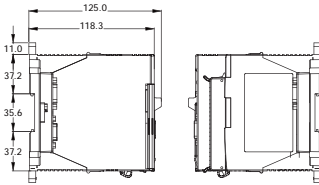
Front View



Bottom View



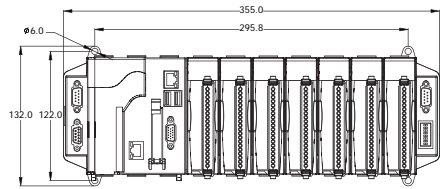
Back View



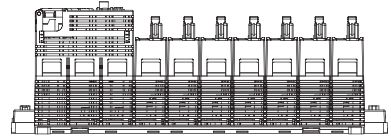
Left Side View

Right Side View

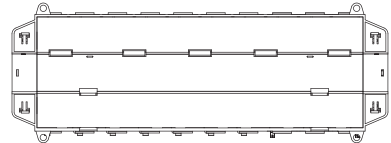
XP-8741



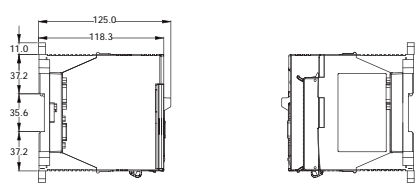
Front View



Bottom View



Back View



Left Side View

Right Side View

Ordering Information

XP-8041-EN CR	Standard XP-8000 with 0 I/O Slot (English Version of OS) (RoHS)
XP-8341-EN CR	Standard XP-8000 with 3 I/O Slots (English Version of OS) (RoHS)
XP-8741-EN CR	Standard XP-8000 with 7 I/O Slots (English Version of OS) (RoHS)
XP-8041-TC CR	Standard XP-8000 with 0 I/O Slot (Traditional Chinese Version of OS) (RoHS)
XP-8341-TC CR	Standard XP-8000 with 3 I/O Slots (Traditional Chinese Version of OS) (RoHS)
XP-8741-TC CR	Standard XP-8000 with 7 I/O Slots (Traditional Chinese Version of OS) (RoHS)
XP-8041-SC CR	Standard XP-8000 with 0 I/O Slot (Simplified Chinese Version of OS) (RoHS)
XP-8341-SC CR	Standard XP-8000 with 3 I/O Slots (Simplified Chinese Version of OS) (RoHS)
XP-8741-SC CR	Standard XP-8000 with 7 I/O Slots (Simplified Chinese Version of OS) (RoHS)

Accessories

DP-660	24 V _{DC} /2.5 A, 60 W and 5 V _{DC} /0.5 A, 2.5 W Power Supply with DIN-Rail Mounting
DP-1200	24 V _{DC} /5.0 A, 120 W Power Supply with DIN-Rail Mounting
MDR-20-24	24 V _{DC} /1.0 A, 24 W Power Supply with DIN-Rail Mounting
MDR-60-24	24 V _{DC} /2.5 A, 60 W Power Supply with DIN-Rail Mounting