

XP-8041/8341/8741-CE6

Windows Compact Edition 6.0 Inside

Highlight Information

- Windows Compact Edition 6.0
- .NET Compact Framework 3.5
- SQL Compact Edition 3.5
- VS.NET 2005/2008 supported
- AMD LX800 CPU (32-bit and 500MHz)
- 512 MB RAM, 4GB Built-In Flash
- System Rescue 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-CE Series (XP-8041-CE / XP-8341-CE / XP-8741-CE) is the new generation PAC of ICPDAS. It equips a AMD LX 800 CPU (500MHz) running a Windows Compact Edition 6.0 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 CE 6.0, has many advantages including hard real-time capability, small core size, and interrupt handling at a deeper level, achievable deterministic control and low cost. Compared with CE5.0, CE6.0 updates its virtual memory architecture to increase system robustness and security.

Features

Hardware

- ☑ **Power CPU module**
 - AMD LX800 CPU (32-bit and 500MHz)
- ☑ **Rich Memories:**
 - RAM (512MB), Built-In Flash Disk (4GB), EEPROM (16KB), Dual Battery-Backup SRAM (512KB), CF Card (support up to 32 GB)
- ☑ **VGA Port x 1, USB 2.0 Ports x 2**
- ☑ **64-bit Hardware Serial Number**
 - Unique to avoid software pirating
- ☑ **Dual Watchdog Timers**
- ☑ **5 Serial Ports (RS-232/RS-485)**
- ☑ **Dual Ethernet Ports (10/100M)**
- ☑ **Redundant Power Input**
- ☑ **Operating Range: -25°C ~ +75°C**

Software

- ☑ **Windows Compact Edition 6.0**
- ☑ **System Rescue Mechanism**
- ☑ **ASP**
- ☑ **SQL Compact Edition 3.5**
- ☑ **.NET Compact Framework 3.5**
- ☑ **Remote Display**
- ☑ **Built-In OPC Server (Quicker)**
- ☑ **InduSoft**
 - HMI and SCADA development tool
- ☑ **Rich Software Solutions**
 - SDK for Microsoft Visual Studio.NET 2005/2008

Specifications of XP-8041-CE6 / XP-8341-CE6 / XP-8741-CE6

Feature	Items	Description
Processor Module	CPU	AMD LX 800 processor
	System Memory	512 MB RAM
Operating System		Microsoft Windows Compact Edition 6.0 (including .NET Compact Framework 3.5 and SQL Compact Edition 3.5)
Storage	Flash	4GB as IDE Master
	Dual Battery Backup SRAM	512KB (for 5 years data retain)
	EEPROM	16KB, data retention: 40 years 1,000,000 erase/write cycles.
	CF card	(support up to 32 GB)
Graphic	VGA resolution	(640 x 480 ~ 1024 x 768 or above)
Ethernet		RJ-45*2, 10/100Mbps Base-TX Ethernet Controller (Auto-negotiating, Auto_MDIX, LED indicator)
Dual Watchdog Timer		Yes
64-bit Hardware Serial Number		Yes
Rotary Switch		Yes (0 ~ 9)
DIP Switch		Yes (8 bits)
USB2.0		x 2
Serial Port	COM1	Internal communications with I-87K modules in slots
	COM2	RS-232, Non-isolation (TXD, RXD and GND)
	COM3	RS-485 (D2+, D2-; self-tuner ASIC inside); 3000VDC isolation
	COM4	RS-232 (RXD, TXD, CTS, RTS and GND) / RS-485 (Data+ and Data-); Non-isolation

	COM5	RS-232 (RXD, TXD, CTS, RTS, DSR, DTR, CD, RI and GND); Non-isolation
Environment	Operating Temp.	-25°C to 75°C
	Storage Temp.	-20°C to 80°C
	Relative Humidity	5% to 95% non-condensing
Mechanical	XP-8741	132 mm (W) x 355 mm (L) x 125 mm (H)
	XP-8341	132 mm (W) x 231 mm (L) x 125 mm (H)
Power	Consumption	XP-8341: 9.6W (0.4A@24V)

Ordering Information

XP-8041-CE6-EN CR	Standard XP-8000-CE6 with 0 I/O Slot (Multilingual Version of OS) (RoHS)
XP-8341- CE6-EN CR	Standard XP-8000-CE6 with 3 I/O Slots (Multilingual Version of OS) (RoHS)
XP-8741- CE6-EN CR	Standard XP-8000-CE6 with 7 I/O Slots (Multilingual Version of OS) (RoHS)
XP-8041- CE6-TC CR	Standard XP-8000-CE6 with 0 I/O Slot (Traditional Chinese Version of OS) (RoHS)
XP-8341- CE6-TC CR	Standard XP-8000-CE6 with 3 I/O Slots (Traditional Chinese Version of OS) (RoHS)
XP-8741- CE6-TC CR	Standard XP-8000-CE6 with 7 I/O Slots (Traditional Chinese Version of OS) (RoHS)