



### Features

- Cortex-A8, 1 GHz CPU
- 512 MB SDRAM and 256 MB Flash
- Windows CE 7.0 Professional
- Hard Real-Time Capability
- 64-bit Hardware Serial Number for Software Protection
- I/O Expansion Bus
- 10/100/1000M Ethernet Port
- 4 Serial Ports (RS-232/485)
- Operating Temperature: -25 ~ +75°C



### Introduction

The WP-5231-CE7 series is equipped a Cortex-A8 CPU (1 GHz) and running a windows CE.NET 7.0 operating system. The optional I/O expansion board, XV-board, provides high-protection I/O. Using the built-in Flash and microSD, the WP-5231-CE7 series can save application program, image file and data.

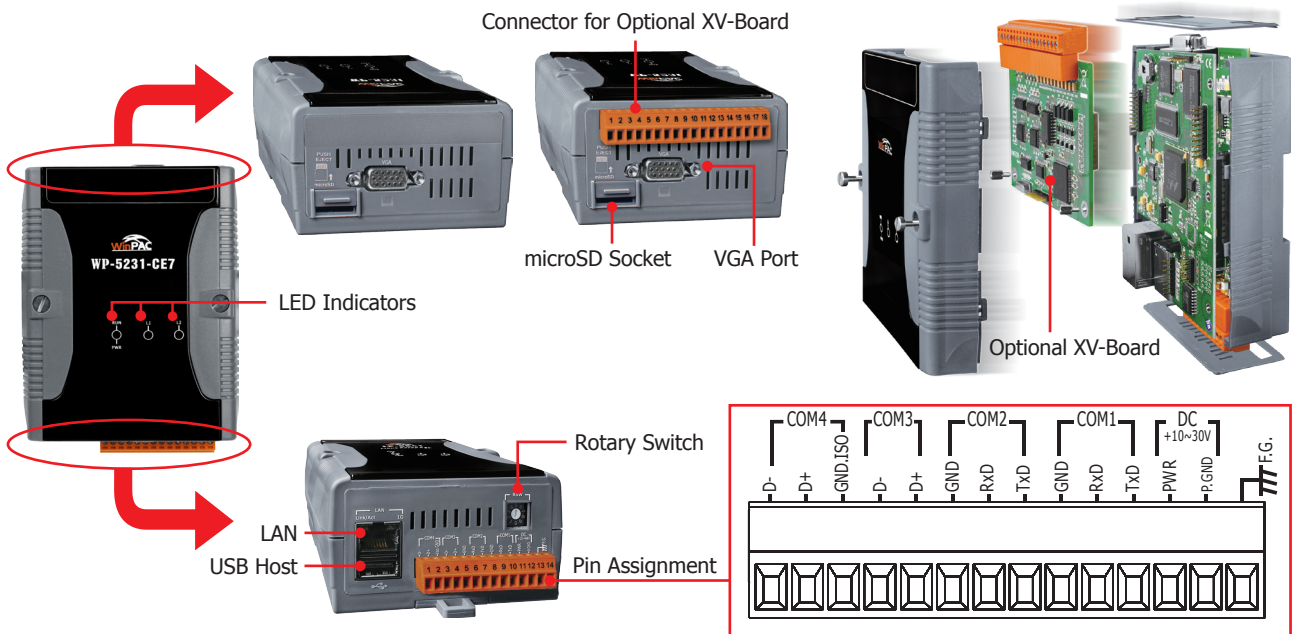
### Windows CE7



Windows CE 7.0 is a compact and real-time OS used to quickly create time critical and high performance applications. Using Windows CE 7.0 gives an ability to run PC-based control software such as Visual Basic .NET, Virtual C#.

- ★ FTP Server
- ★ Web Server
- ★ SQL Compact Edition 3.5
- ★ .NET Compact Framework 3.5
- ★ Virtual CE Pro (VCEP)

### Applications



## Specifications

Models	WP-5231-CE7
<b>System Software</b>	
OS	Windows CE 7.0 Professional
.Net Compact Framework	3.5
Embedded Service	FTP server, Web server
SDK Provided	Dll for Visual Studio.Net 2008
Multilanguage Support	English, German, French, Spanish, Russian, Italian, Korean, Simplified Chinese, Traditional Chinese
<b>CPU Module</b>	
CPU	Cortex-A8, 1 GHz
DDR3 SDRAM	512 MB
Flash	256 MB
FRAM	64 KB
Expansion Flash Memory	microSD socket with one 4 GB microSD card (support up to 32 GB microSDHC card)
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month, year
64-bit Hardware Serial Number	Yes, for Software Copy Protection
Dual Watchdog Timers	Yes
LED Indicators	1 LED for Power and Running; 2 LEDs for user defined
Rotary Switch	Yes (0 ~ 9)
<b>Communication Ports</b>	
VGA and Communication Ports	Yes. Resolution: 640 × 480, 800 × 480, 800 × 600, 1024 × 768
Ethernet	RJ-45 x 1, 10/100/1000 Based-TX ( Auto-negotiating, Auto MDI/MDI-X, LED indicators)
USB 2.0 (host)	1
COM 1	RS-232 (Rx, Tx and GND); Non-isolated
COM 2	RS-232 (Rx, Tx and GND); Non-isolated
COM 3	RS-485 (Data+, Data-); Non-isolated
COM 4	RS-485 (Data+, Data-); 2500 VDC isolated
<b>I/O Expansion</b>	
I/O Expansion Bus	Yes, one optional XV-board
<b>Mechanical</b>	
Dimensions (W x L x H)	91 mm × 132 mm × 52 mm
Installation	DIN-Rail Mounting
<b>Environmental</b>	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Ambient Relative Humidity	10 ~ 90% RH (non-condensing)
<b>Power</b>	
Input Range	+12 ~ +48 VDC
Consumption	4.8 W

## Ordering Information

<b>WP-5231-CE7 CR</b>	PAC with WinCE 7.0 and one LAN port (Plastic Case) (RoHS)
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## Option Accessories

<b>XV-Board</b>	Add-on I/O Expansion Board
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