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Specifications





WP-8000

WP-9000-CE7

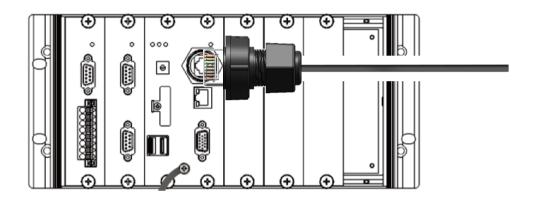
СРИ				
СРИ		PXA270 (32-bit/520 MHz) or compatible	Cortex-A8 (1.0 GHz) or compatible	
SDRAM		128 MB	512 MB (DDR3)	
Flash		96 MB	256 MB	
Non-volatile Memory		Dual Battery Backup SRAM 512KB	MRAM 128KBs	
EEPROM		16 KB		
SD/microSD		microSD socket with one microSD card	SD socket with one SD card	
RTC (Real 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		
Programmable LED Indicator		1	2	
DIP Switch		8 bits	-	
Rotary Switch (0 ~ 9)		Yes		
VGA & Communication Ports				
VGA Resolution		640 x 480, 800 x 600 1024 x 768 (WP-8x3x)	800 x 600, 1024 x 768	
Ethernet	Connector	RJ-45 x 2	Rugged RJ-45 (LAN1) RJ-45 (LAN2)	
	Туре	10/100 Base-TX	10/100/ 1000 Base-TX	
USB		USB 1.1 x 1	USB 2.0 x 2	
СОМ 0		For I-87K series modules in slots	For I-97K series modules in slots	
COM 1		RS-232, Non-isolation	RS-232/RS-485, 3000 V _{DC} Isolation	

COM 2	RS-485	RS-485		
COIVI 2	2500 V _{DC} Isolation	3000 V _{DC} Isolation		
COM 3	RS-232/RS-485,	RS-232/RS-485,		
COIVI 3	Non-isolation	3000 V _{DC} Isolation		
COM 4	RS-232,	RS-232,		
COIVI 4	Non-isolation	3000 V _{DC} Isolation		
I/O Expansion Slots				
Number of I/O slots	1/4/8	2 /4/8		
Supported types of I/O	I-8K and I-87K series I/O	I-9K and I-97K series I/O		
modules	Modules	Modules		
Mechanical				
Dimensions	95 x 132 x 111 (1 Slot)	239 x 133 x 164 (2 Slots)		
(W x H x D unit: mm)	231 x 132 x 111 (4 Slots)	300 x 133 x 164 (4 Slots)		
(W X II X D unit. Inin)	355 x 132 x 111 (8 Slots)	422 x 133 x 164 (8 Slots)		
Enclosures	Plastic	Metal		
Installation	DIN-Rail or Wall mounting	Wall mounting		
Environmental				
Operating Temperature	-25 °C ~ +75 °C			
Storage Temperature	-30 °C ~ + 80 °C			
Ambient Relative Humidity	10 % ~ 90 % RH (Non-condensing)			
Input Range	+10 V _{DC} ~ +30 V _{DC}			
Redundant Power Inputs	Yes			
Isolation	1 kV			
	7.3 W (1 Slot)			
Power Consumption	9.1 W (4 Slots)	10.8 W		
	9.6 W (8 Slots)			

Features comparison

1. Rugged RJ-45 connector for LAN1

The WP-9000-CE7 is equipped with a rugged and dustproof RJ-45 connector on the LAN1 port that is able to provide protection against both liquid and dust contaminants in harsh industrial environments, as well as protection against vibration and shock.



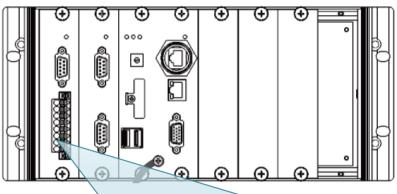
2. Non-volatile Memory (SRAM & MRAM)

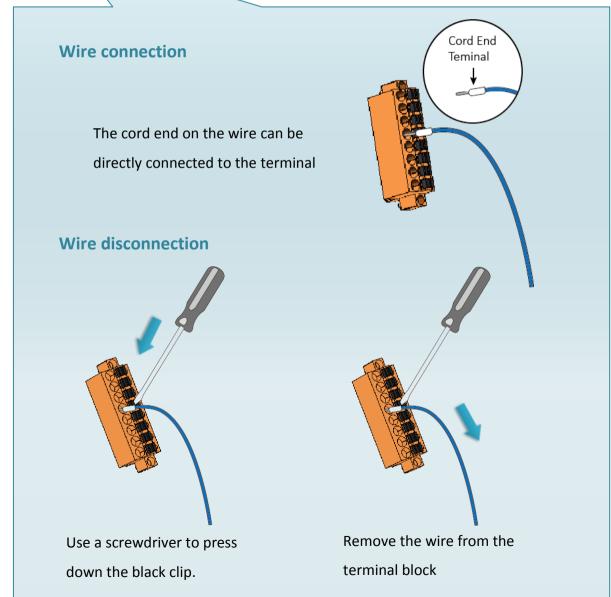
The WP-9000-CE7 is equipped with 128 KB MRAM (Magnetoresistive RAM) which is non-volatile memory that is not subject to degradation over time and removes any limits on the stored data, even when power is lost.

The WP-8000 series included 512 MB Dual BB SRAM. However, BB SRAM requires batteries in order to retain data. In addition, SRAM with dual battery backup only retains data for 5 years and requires maintenance in order to replace exhausted batteries. In contrast, MRAM doesn't require batteries.

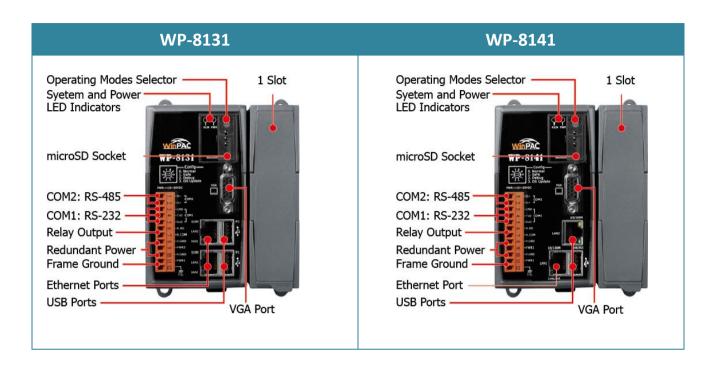
3. Power/Communication spring clamp terminal connector

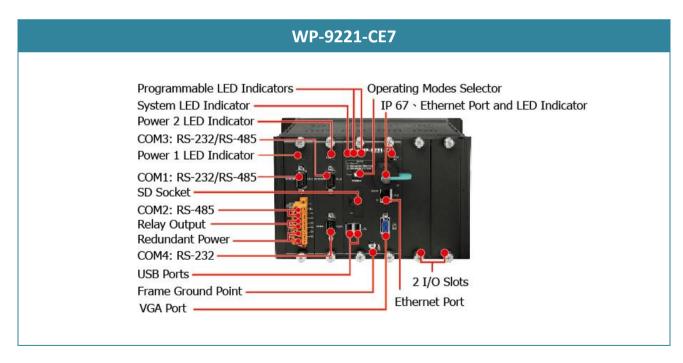
Compared to screw terminals, the spring clamp terminal block that is used for the Power/Communication connector in the WP-9000-CE7 offers advantages including anti-vibration, stable clamping, and easier installation

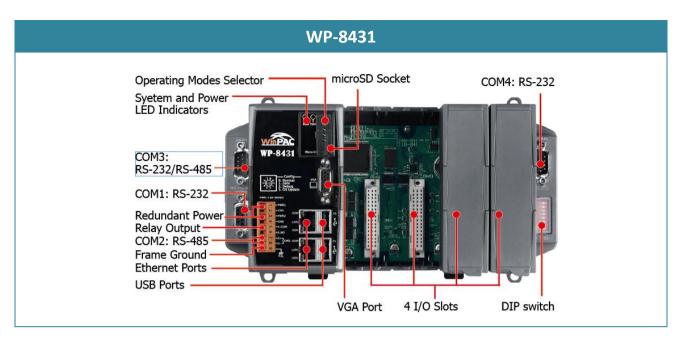


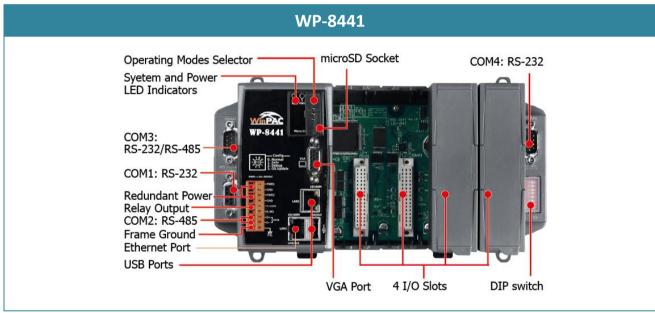


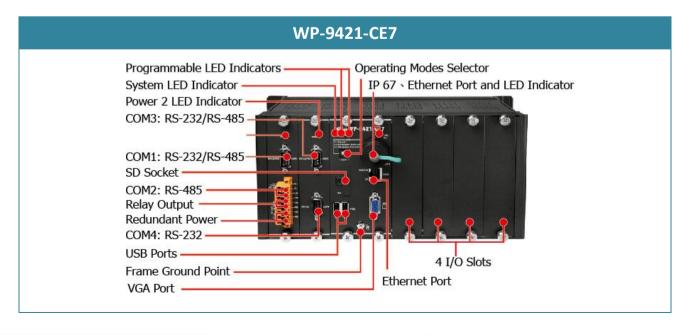
Overviews

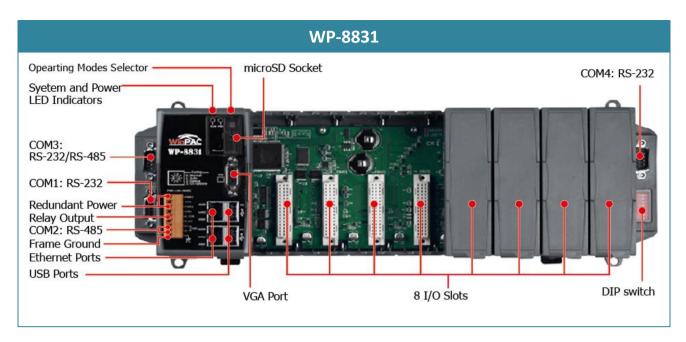


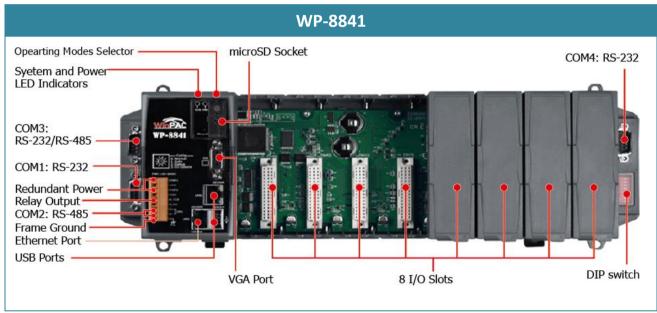


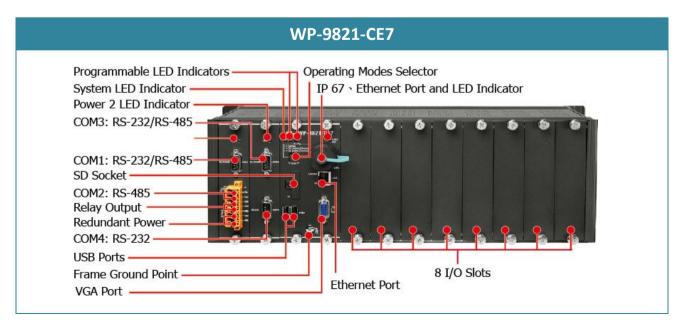












Dimensions (Units: mm)

