WP-8x3x/WP-8x4x vs. WP-8x2x-CE7 Hardware Comparison

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Specifications





WP-8x3x/WP-8x4x

WP-8x2x-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	
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	
DIP Switch		8 bits	N/A (1 Slot) 8 bits (4/8 Slots)
Rotary Switch (0 ~ 9)		Yes	
VGA & Comn	nunication 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	
	Туре	10/100 Base-TX	10/100/ 1000 Base-TX
USB		USB 1.1 x 1	USB 2.0 x 2
COM 0		For I-87K series modules in slots	
COM 1		RS-232, Non-isolation	
COM 2		RS-485 2500 V _{DC} Isolation	RS-485 3000 V_{DC} Isolation

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COM 3	RS-232/RS-485,			
	Non-isolation			
COM 4	RS-232,			
COIVI 4	Non-isolation			
I/O Expansion Slots				
Number of I/O slots	1/4/8			
Supported types of I/O modules	I-8K and I-87K series I/O Modules			
Mechanical				
Dimensions	95 x 132 x 111 (1 Slot)			
Dimensions	231 x 132 x 111 (4 Slots)			
(W x H x D unit: mm)	355 x 132 x 111 (8 Slots)			
Enclosures	Plastic			
Installation	DIN-Rail or 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)			
	9.6 W (8 Slots)			

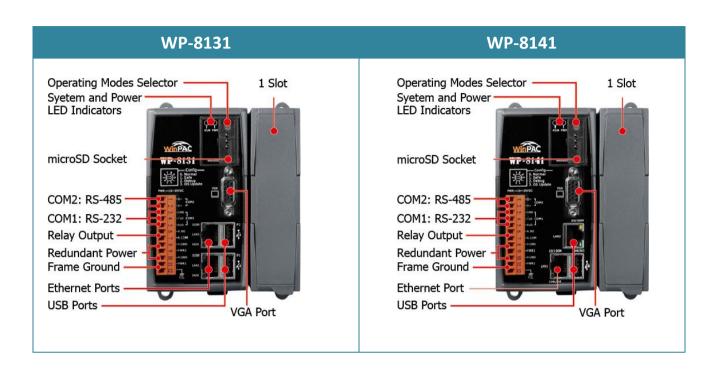
Features comparison

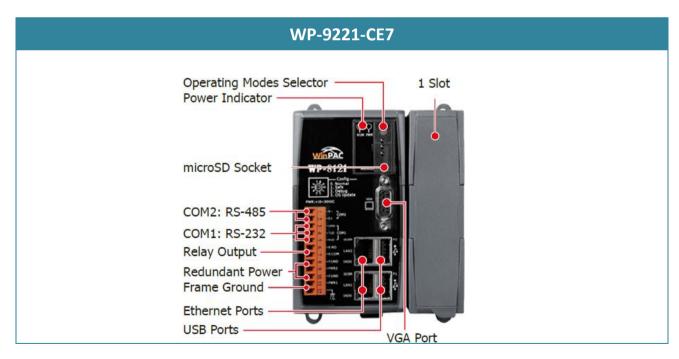
1. Non-volatile Memory (SRAM & MRAM)

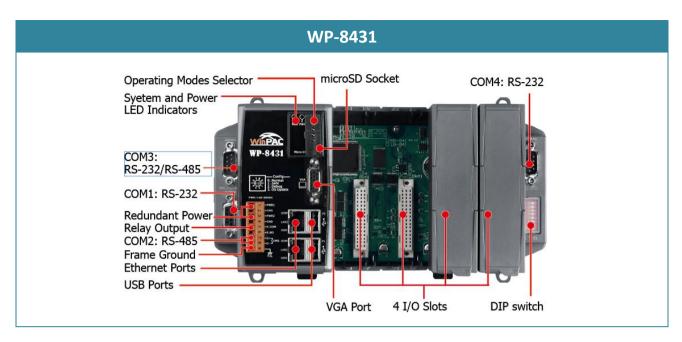
The WP-9000-CE7 is equipped with 128 KB MRAM (Magnetoresistive RAM) which is non-volatile memory that is not subject to degradation over time and removes any limits on the stored data, even when power is lost.

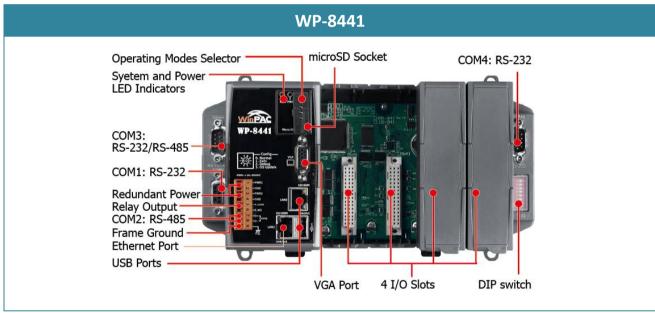
The WP-8000 series included 512 MB Dual BB SRAM. However, BB SRAM requires batteries in order to retain data. In addition, SRAM with dual battery backup only retains data for 5 years and requires maintenance in order to replace exhausted batteries. In contrast, MRAM doesn't require batteries.

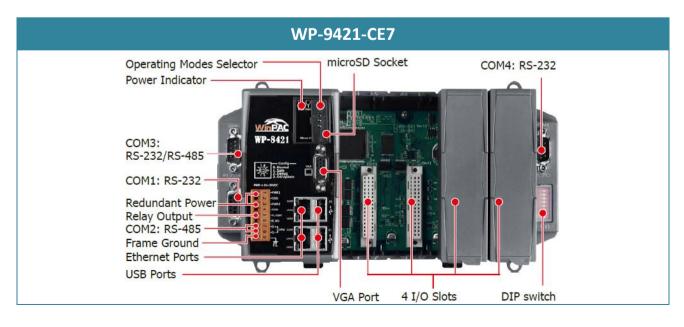
Overviews

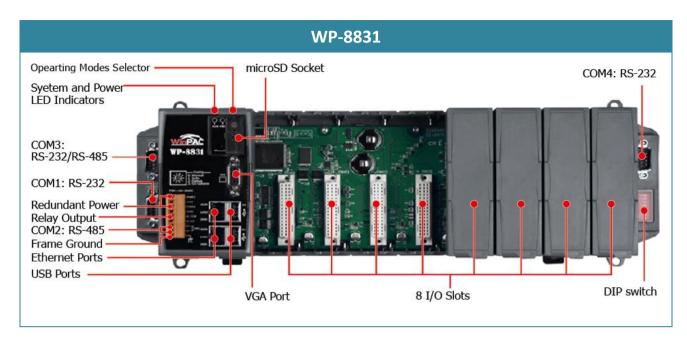


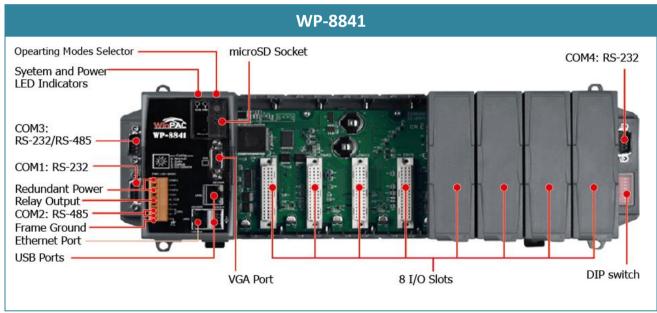


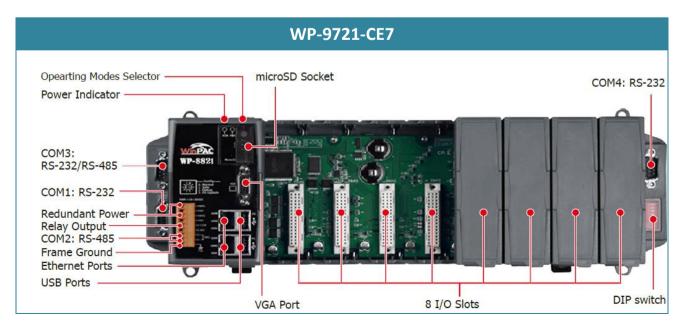












Dimensions (Units: mm)

