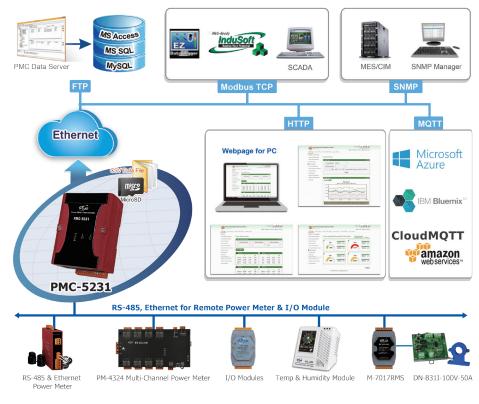


PMC-5231 is the new generation of Power Meter Concentrator for meeting the trend of energy saving and carbon reduction in the Industry 4.0 age. It provides flexible integration with the ICP DAS power meters via RS-485 or Ethernet interface, and features various functions such as: measure the power consumption of the devices, energy usage analysis, power demand management and alarm notification functions. The PMC-5231 features a built-in Micro SD card. After it retrieving the power data from the power meter, it will save the power data in data log file, and automatically send back the data log files to the back-end management center for data analysis and statistics.

PMC-5231 offers a user-friendly and intuitive web site interface that allows users to implement the Energy monitoring and management system just a few clicks away; no programming is required. In addition to ICP DAS XV-Board and M-7000 I/ O modules, the PMC-5231 can also connect to standard Modbus TCP/RTU Slave modules. By working with the I/O modules, and functions such as IF-THEN-ELSE logic rule execution and alarm notification functions including Email/SNMP Trap, PMC-5231 offers more thought-out power demand management and alarm notification functions, and is able to perform load shedding of the devices if required, and enables real-time monitoring and control of the power consumption of the devices.

PMC-5231 also supports the Modbus TCP/RTU, SNMP, FTP and MQTT protocols for seamless integration with the back-end SCADA/MES/IT/ IoT/Network Management systems. So that the administrator can monitor the status of power consumption of each device and perform statistics and analysis of the power information, thus improving the overall efficiency in electricity consumption to save costs on utility bills. All of these features make PMC-5231 a perfect concentrator of power meter in the Energy monitoring and management application of Industry 4.0 age.

Application



Niederlassung Österreich info@spectra-austria.at

Spectra (Schweiz) AG info@spectra.ch



Specifications _____

Model	PMC-5231	
System Software		
OS	Windows CE OS	
Embedded Service	PMC Runtime, Web server, FTP server	
CPU Module		
CPU	32-bit ARM CPU, 1 GHz	
SDRAM	256 MB	
Flash	256 MB	
Expansion Flash Memory	microSD socket with one 4 GB microSD card	
	(support up to 32 GB microSDHC card)	
LED Indicator	Yes. LED for Power and System status	
Rotary Switch	Yes (0 ~ 9)	
Communication Ports		
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 (TxD, RxD, GND), non-isolated, Speed: 115200 bps max.	
COM 2	RS-232 (TxD, RxD, GND), non-isolated, Speed: 115200 bps max.	
COM 3	RS-485 (Data+, Data-), non-isolated, Speed: 115200 bps max.	
COM 4	RS-485 (Data+, Data-), 2500 V _{DC} isolated, Speed: 115200 bps max.	
Mechanical		
Dimensions (W x L x H)	91 mm x 132 mm x 52 mm	
Installation	DIN-Rail Mounting	
Environmental		
Operating Temperature	-25 to +75 °C	
Storage Temperature	-40 to +80 °C	
Ambient Relative	10 to 90% RH (non-condensing)	
Humidity		
Power		
Input Range	+12 to +48 VDC	
Consumption	4.8 W	



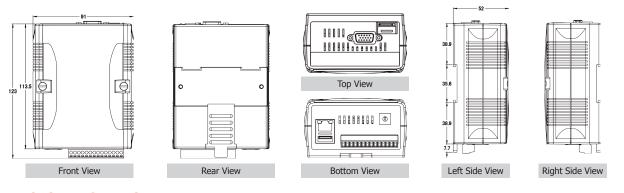
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Dimensions (Units: mm)



Ordering Information

PMC-5231 CR	
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Industrial IoT Power Meter Concentrator(RoHS)

Accessories

Power Meter	Modbus RTU: PM-3033, PM-3133, PM-3112, PM-3114 and PM-4324
	Modbus TCP: PM-3033-MTCP, PM-3133-MTCP, PM-3112-MTCP, PM-3114-MTCP and PM-4324-MTCP
DP-660	24 VDC/2.5 A, 60 W and 5 VDC/0.5 A, 2.5 W Power Supply with DIN-Rail Mounting
DP-1200 CR	24 VDC/5.0 A, 120 W Power Supply with DIN-Rail Mounting (RoHS)
MDR-20-24 CR	24 VDC/1.0 A, 24 W Power Supply with DIN-Rail Mounting (RoHS)
MDR-60-24 CR	24 VDC/2.5 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)