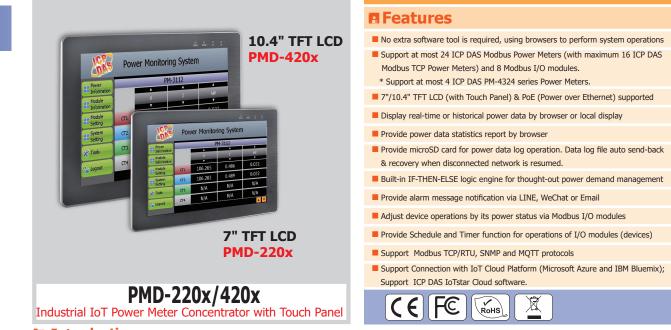


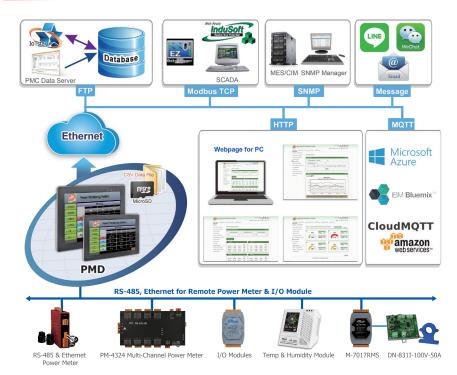
Power Meter Concentrator



#### Introduction

PMD is equipped with the TFT LCD (with Touch Panel) and designed for panel mount installation. It provides an easy way for viewing the power data and setting the system parameters at the local side.PMD also is equipped with built-in Web Server that allows direct connections via browsers to the PMD for viewing power data and setting the system parameters. PMD 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. In addition to ICP DAS M-7000 I/O modules, the PMD could 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 LINE/WeChat/Email, PMD 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. When using PMD to build a power management and monitoring system, during the whole process of system development, no programming is required; it takes a few clicks on web page to complete all settings; it is easy for the user to quickly view the power data of the devices and furthermore process the data for statistics and analysis. The PMD is an easy-to-use and easy-to-build total solution for power management and monitoring that makes more efficient energy usage.

## Application

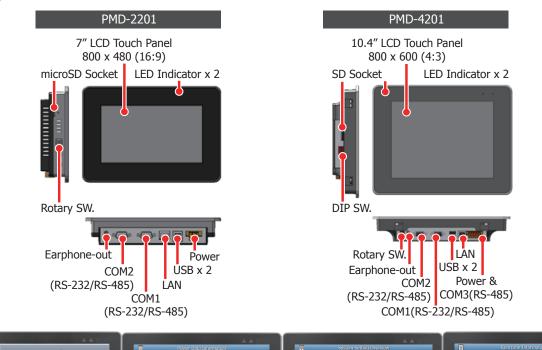


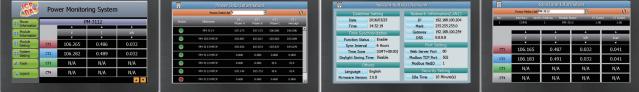
## Specifications \_

Model	PMD-2201	PMD-4201		
System Software				
Embedded Service	PMC Runtime, Web server, FTP server			
CPU Module				
CPU	32-bit ARM CPU(720MHz)	32-bit ARM CPU(1GHz)		
DRAM	512MB			
Flash (SSD)	256MB			
Memory Expansion	microSD socket with 4 GB micro SDHC card (support up to 32 GB)	SD socket with 4 GB SDHC card (support up to 32 GB)		
LED Indicator	2 LEDs for Power and Running (Run, PWR)			
Rotary Switch	Yes (0 to 9)			
LCD				
Diagonal Size	7" (16:9)	10.4" (4:3)		
Resolution	800 x 480	800 x 600		
Brightness (cd/m2)	400			
Contrast Ratio	500:1			
LED Backlight Life (hrs)	20,000	50,000		
Touch Panel	4-wire, resistive type; light transmission: 80 %	5-wire, resistive type; light transmission: 80 %		

Model	PMD-2201	PMD-4201		
Communication Ports				
Ethernet	1 x RJ-45 10/100/1000 Base-TX			
USB 2.0 (host)	2			
COM 1	RS-485 (Data+, Data-) (9-wire DB9 connector); 2500 Voc isolated			
COM 2	RS-485 (Data+, Data-) (9-wire DB9 connector); 2500 Vbc isolated			
COM 3	-	RS-485 (Data+, Data-, GND); 2500 V <sub>DC</sub> isolated		
Mechanical				
Dimensions (W x H x D)	213mm x 148mm x 44mm	291mm x 229mm x 54mm		
Panel Cut-Out (W x H)	197mm x 133mm, +/- 1mm	277mm x 215mm, +/- 1mm		
Installation	Panel Mounting			
Ingress Protection	Front panel: NEMA 4/IP65			
Environmental				
Operating Temperature	-10 °C ~ +60 °C			
Storage Temperature	-20 °C ~ +70 °C			
Ambient Relative Humidity	10 ~ 90% RH (non-condensing)			
Power				
Input Range	+12Vpc to +48 Vpc			
Power from PoE	IEEE 802.3af			
Consumption	6W	13W		

### Appearance .





# Ordering Information \_

PMD-2201 CR	Industrial IoT Power Meter Concentrator with 7" Display (RoHS)	
PMD-4201 CR	Industrial IoT Power Meter Concentrator with 10.4" Display (RoHS)	
PMD-2206 CR	Industrial IoT Power Meter Concentrator with 7" Display (With WeChat Message Sending) (RoHS)	
PMD-4206 CR	Industrial IoT Power Meter Concentrator with 10.4" Display (With WeChat Message Sending) (RoHS)	
Accessories		

U: PM-2133, PM-3133, PM-3112, PM-3114, PM-3033, PM-4312 and PM-4324	
P: PM-3112-MTCP, PM-3114-MTCP, PM-3133-MTCP, PM-3033-MTCP, PM-4312-MTCP and PM-4324-MTCP	
A, 60 W and 5 V <sub>DC</sub> /0.5 A, 2.5 W Power Supply with DIN-Rail Mounting	
A, 60 W Power Supply with DIN-Rail Mounting (RoHS)	