



TPD-703

TPD-703-64

Features

- Excellent C/P ratio (cost/performance)
- High-resolution color touch screen
- PoE (Power over Ethernet)
- RTC (Real Time Clock)
- Free HMIWorks development tool
- Supports C programming language and Ladder Designer
- Supports the custom communication protocol (C language)
- Modbus TCP/RTU protocol



Introduction

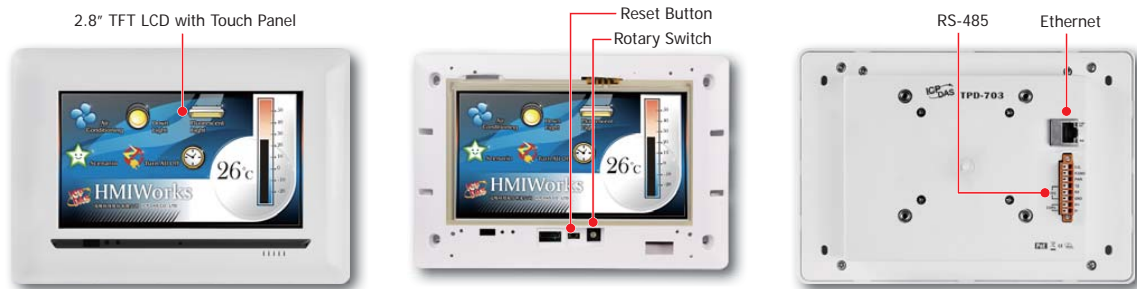
TPD 7 inch series is a series of tiny touch HMI and designed for building and home automation. TPD 7 inch series is equipped with high resolution TFT color touch screen and fits in with regular electrical wall-mount outlet. Besides, it is seamlessly integrated with rich I/O modules and presents beautiful, flexible and user-defined picture frame. In short, it is the best choice to upgrade the mechanical switch to intelligent control pads.

For PLC users, HMIWorks provides Ladder Designer, and for IT users, C language environment is provided. Especially, it only takes no more than 30 minutes to learn how to create an application program of TPD-series devices when using Ladder Designer.

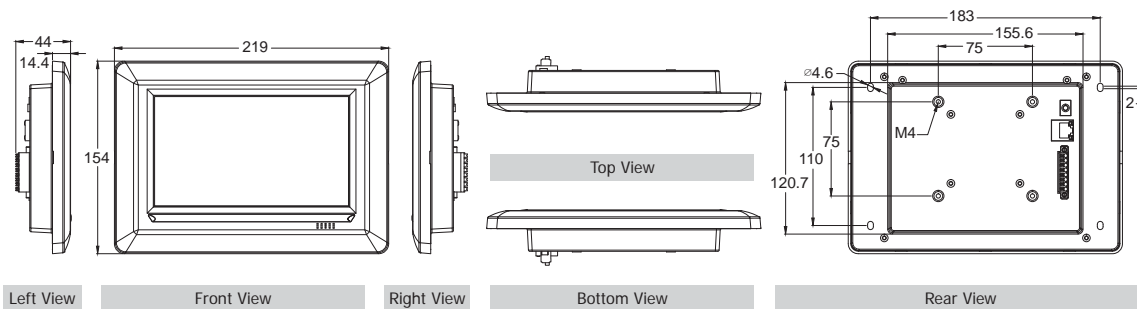
Specifications

Models		TPD-703	TPD-703-64
CPU Module			
CPU		32-bit RISC CPU	
Memory Expansion		16 MB SDRAM/16 MB Flash	64 MB SDRAM/64 MB Flash
Real Time Clock (RTC)		Yes	
Buzzer		Yes	
Rotary Switch (0 ~ 9)		Yes	
Communication Interface			
Serial Port	COM1	RS-485 (including Self-Tuner) ; Non-isolation	
	COM2	RS-232 (3-pin) ; Non-isolation	
Ethernet		RJ-45 x 1, 10/100 Base-TX	
MMI (Main Machine Interface)			
LCD		7" TFT (Resolution 800 x 480 , 65535 colors), defective pixels <= 3	
Backlight Life		20,000 hours	
Brightness		250 cd/m2	400 cd/m2
Touch Panel		4-wire, analog resistive; Light Transmission: 80%	
Reset Button		Yes	
Electrical			
Powered from Terminal Block		+12 ~ 48 VDC	
Powered from PoE		IEEE 802.3af, Class1 (48 V)	
Power Consumption		3.6W	
Mechanical			
Dimensions (W x L x H)		217 mm x 153 mm x 33 mm	
Installation		Wall Mount	
Ingress Protection		Front Panel: IP40	
Environmental			
Operating Temperature		-10 ~ +60°C	
Storage Temperature		-20 ~ +70°C	
Ambient Relative Humidity		10 ~ 90% RH, non-condensing	

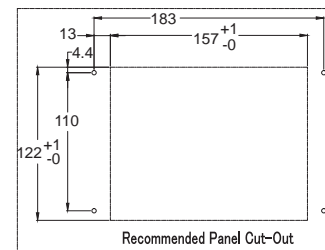
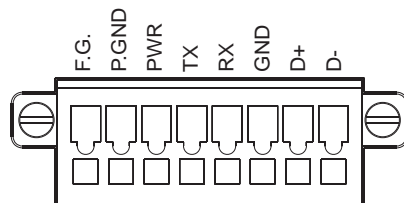
Appearance



Dimensions (Units: mm)



Pin Assignments



Wall Mounting

Ordering Information

TPD-703 CR	7" Touch HMI device with RS-232 (3-pin, Non-isolation), RS-485 (including Self-Tuner, Non-isolation), RTC, Ethernet, PoE (RoHS)
TPD-703-64 CR	7" Touch HMI device with RS-232 (3-pin, Non-isolation), RS-485 (including Self-Tuner, Non-isolation), RTC, Ethernet, PoE (RoHS)

Accessories

1C016	2.4 mm Screw driver
NS-208PSE CR	Unmanaged Industrial PoE (Power over Ethernet) Ethernet Switch (RoHS)
MDR-60-24 CR	24 V _{DC} /2.5 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)