



## TPD-703

7" Touch HMI Device with 1 x RS-485, 1 x RS-232, Ethernet (PoE), 16 MB Flash

## TPD-703-64

7" Touch HMI Device with 1 x RS-485, 1 x RS-232, Ethernet (PoE), 64 MB Flash

### Features

- High-resolution color touch screen
- RTC (Real Time Clock)
- Buzzer
- PoE (Power over Ethernet)
- Free HMIWorks development tool
- Support C language and Ladder Designer
- Modbus TCP/RTU protocols
- Support the custom communication protocol (C language)
- Operating Temperature: -10 ~ 60 °C



### Introduction

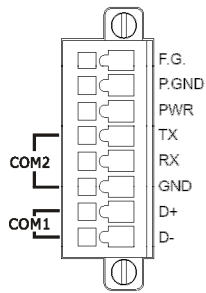
The **TouchPAD TPD 7" Series**, TPD-703/TPD-703-64, is a series of touch HMI and designed for building and home automation. TPD 7 inch series is equipped with high resolution TFT color touch screen and is seamlessly integrated with rich I/O modules and presents beautiful, flexible and user-defined picture 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

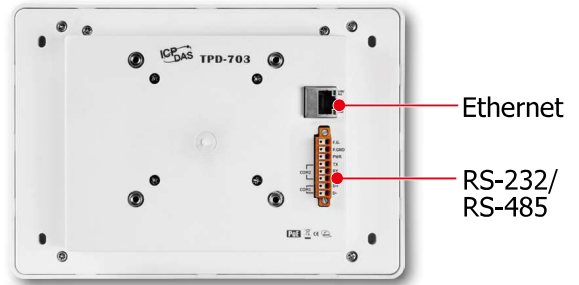
Models	TPD-703	TPD-703-64
<b>Main Unit</b>		
CPU	32-bit RISC CPU	
Storage	16 MB SDRAM/16 MB Flash	64 MB SDRAM/64 MB Flash
Real Time Clock	Yes	
<b>Display</b>		
Type	LCD 7" TFT (Resolution 800 x 480, 65535 colors), defective pixels <= 3	
Backlight Life	20,000 hours	
Brightness	250 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
Touch Panel	4-wire, analog resistive; Light Transmission: 80%	
<b>COM Ports</b>		
Ports	1 x RS-485 (including Self-Tuner) ; Non-isolation 1 x RS-232 (3-pin) ; Non-isolation	
<b>HMI</b>		
Buzzer	Ye	
Rotary Switch	Ye	
Reset Button	Ye	
<b>Ethernet</b>		
Ports	RJ-45 x 1, 10/100 Base-TX	
<b>Power</b>		
Consumption	3.6 W	
Powered from PoE	IEEE 802.3af, Class1 (48 V)	
Powered from Terminal Block	+12 ~ 48 VDC	
<b>Mechanical</b>		
Dimensions (mm)	217 mm x 153 mm x 33 mm	
Installation	Wall Mounting	
Ingress Protection Rating	Front Panel: IP40	
<b>Environmental</b>		
Operating Temperature	-10 ~ +60°C	
Storage Temperature	-20 ~ +70°C	
Humidity	10 ~ 90% RH, Non-condensing	

## Pin Assignments



## Appearance

Rear View



Front View



7" TFT LCD with Touch Panel

Front View



Reset Button — Rotary Switch

## Installation

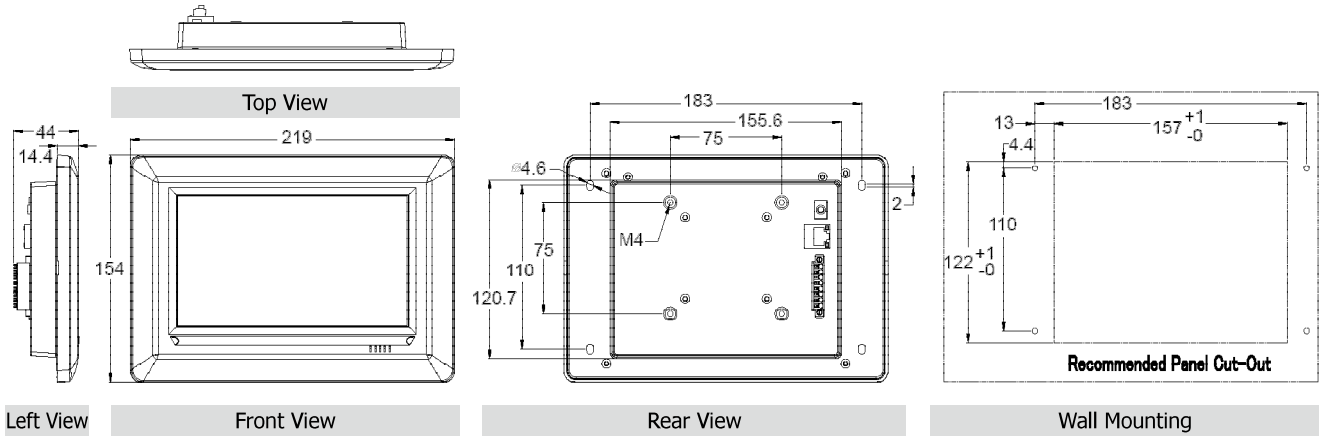
External Wall Box (EWB-T70)



Outlet Box (OB170)







## ■ Dimensions (Units: mm)



## ■ Ordering Information

<b>TPD-703 CR</b>	7" Touch HMI Device with 1 x RS-485, 1 x RS-232, Ethernet (PoE), RTC, 16 MB Flash (RoHS)
<b>TPD-703-64 CR</b>	7" Touch HMI Device with 1 x RS-485, 1 x RS-232, Ethernet (PoE), RTC, 64 MB Flash (RoHS)

## ■ Accessories

	<b>NS-208PSE CR</b>	Unmanaged Industrial PoE (Power over Ethernet) Ethernet Switch (RoHS)
	<b>MDR-60-24 CR</b>	24 VDC/2.5 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)
	<b>EWB-T70 CR</b>	External Wall Box for TPD-703/TPD-703-64 Devices
	<b>OB170 CR</b>	Outlet Box for TPD-703/TPD-703-64 Devices