



VPD-173N
VPD-173X

VPD-173N-64
VPD-173X-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
- IP65 waterproof front panel
- I/O Expansion Board: XV-board (VPD-173X/VPD-173X-64)



Introduction

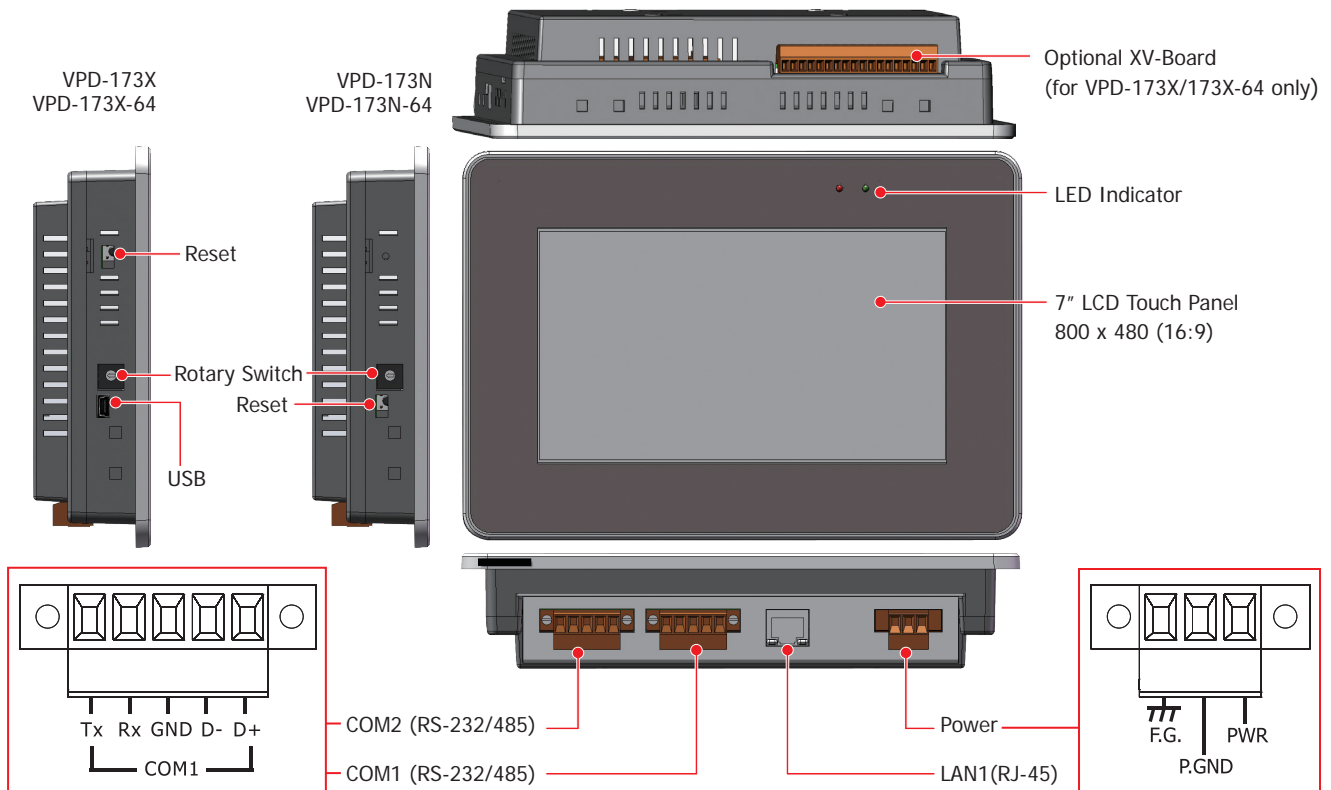
VPD-173 series HMI is designed for building, home and industrial automation. VPD-173 series HMI is equipped with high resolution TFT color touch screen seamlessly integrated with rich I/O modules and presents beautiful, flexible and user-defined picture frame. In short, it is the best choice to upgrade the mechanical switch to intelligent control pads.

HMIWorks is a free development software for the VPD series HMI devices, which provides Ladder Designer for PLC users, and C language environment for IT users. Especially, it only takes no more than 30 minutes to learn how to create an application program of VPD-series devices when using Ladder Designer.

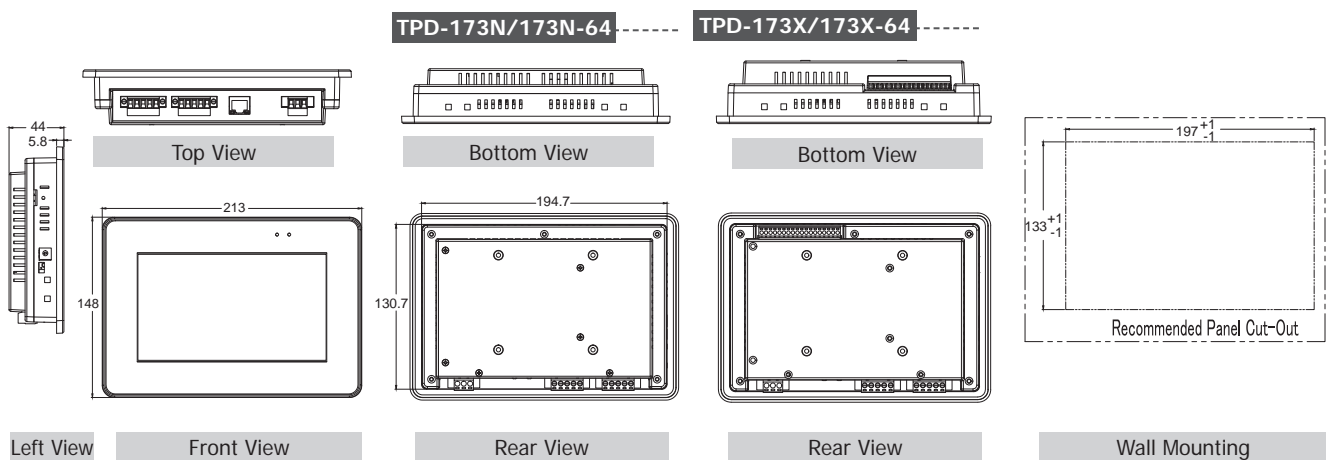
Specifications

Models		VPD-173N	VPD-173N-64	VPD-173X	VPD-173X-64
CPU Module					
CPU		32-bit RISC CPU			
Memory Expansion		16 MB SDRAM/16 MB Flash	64 MB SDRAM/64 MB Flash	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-232 (3-pin) or RS-485 (including Self-Tuner) ; 2500 VDC isolated			
	COM2				
Ethernet		RJ-45 x 1, 10/100 Base-TX			
I/O Expansion					
I/O Expansion Bus		-		Yes, One of XVboards	
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	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 Mounting			
Ingress Protection		Front Panel: NEMA 4 /IP65			
Environmental					
Operating Temperature		-10 ~ +60°C			
Storage Temperature		-20 ~ +70°C			
Ambient Relative Humidity		10 ~ 90% RH, non-condensing			

® Appearance & Pin Assignments






® Dimensions (Units: mm)



® Ordering Information

VPD-173N CR	7" Touch HMI device with two serial ports, RTC, Ethernet (PoE) (16 MB Flash, RoHS)
VPD-173N-64 CR	7" Touch HMI device with two serial ports, RTC, Ethernet (PoE) (64 MB Flash, RoHS)
VPD-173X CR	7" Touch HMI device with two serial ports, USB, RTC, Ethernet (PoE) and support XV-board (16 MB Flash, RoHS)
VPD-173X-64 CR	7" Touch HMI device with two serial ports, USB, RTC, Ethernet (PoE) and support XV-board (64 MB Flash, 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 VDC/2.5 A, 60 W Power Supply with DIN-Rail Mounting (RoHS)