Features

- Excellent C/P ratio (cost/performance)
- High-resolution color touch screen
- RTC (Real Time Clock)
- Supports 1 Serial Port (RS-232/RS-485, including Self-Tuner)
- Rubber Keypad
- GUI design
- Free HMIWorks development tool
- Supports the popular C programming language and Ladder Designer
- Supports the custom communication protocol (C language)
- ESD Protection: 4 kV
- Operating temperature: -20 ~ 50°C
- Front Panel: IP65 Waterproof

VPD-130   **VPD-130N**

Introduction

VPD industrial touch HMI device series features, 3.5" high resolution color touch screen LCD. With touchscreen capability, it is easy to deploy into all kinds of automation systems, and make them more intuitive and efficient. Either setup new system installations or complete system retrofits, VPD series stands out for its wide variety of communication methods. Its built-in communication ports include RS-232/RS-485, and USB interface, enable integration into the system allowing users to control, monitor I/O at the remote sides and update firmware directly from the central computer. Besides, the built-in non-volatile storage makes VPD series more reliable for rugged environments.

HMIWorks, the free development software for VPD series, provides an easy-to-use environment, and powerful and intuitive programming with graphic capabilities to let users create appealing graphical interface screens in minutes. For PLC users, HMIWorks provides Ladder Designer and C language environment for IT users. Especially, it only takes no more than 30 minutes to learn how to create an application program when using Ladder Designer. With all the features provided, VPD series touch HMI Devices must be the most cost effective HMI Device ever been in the market.

Applications

VPD-130/VPD-130N with DIN-Rail Mounting

VPD-130/VPD-130N Panel Mounting
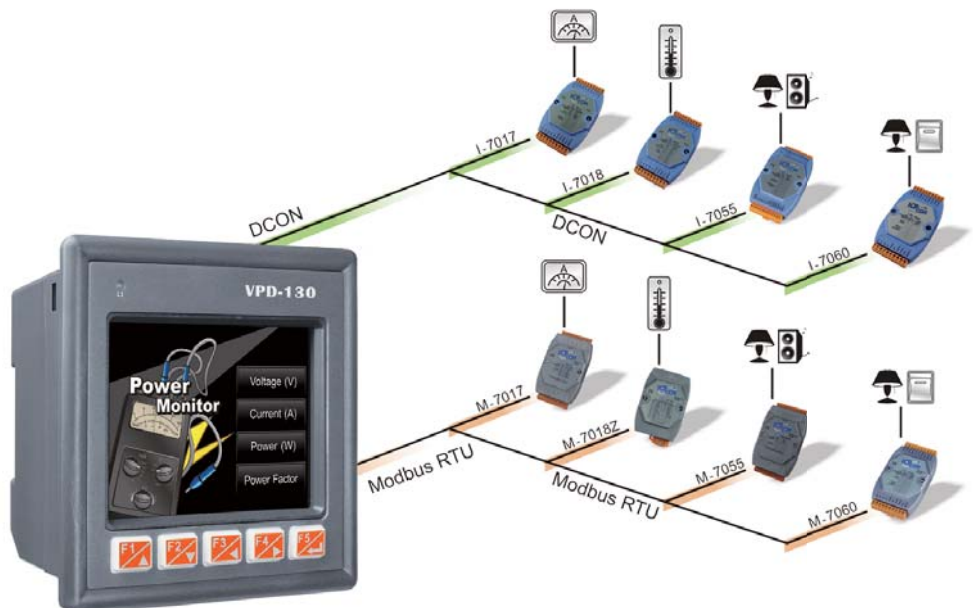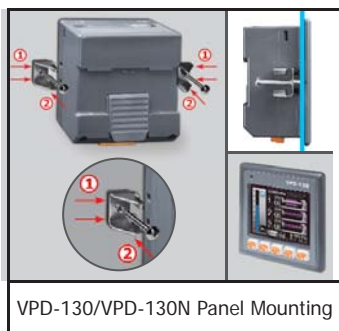
▆ Applications

Status Display

Presentations

User-defined HMI

Power Monitor

| Voltage (V) |
| Current (A) |
| Power (W) |
| Power Factor |

Factory/Machine Automation

VPD-130

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Schedule Management with Built-in RTC

Multi-display

Multi-page Design

Setting HMIWorks
Industrial Computer Product
Data Acquisition System

	Time	Shutdown	Cumulative Time	
1 L	120 m	Start	120 m	Reset
2 L	120 m	Start	120 m	Reset
3 L	120 m	Start		

HMIWorks Industrial Computer Product
Data Acquisition System

Auto
1 L Remaining 120 m
Auto
2 L Remaining 120 m
Auto
3 L Remaining 120 m

26 c
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📁 Applications

Operator Interface	- -

Alarm	- -

📁 Specifications

Models	VPD-130	VPD-130N
CPU Module		
CPU	32-bit RISC CPU	
Memory Expansion	16 MB SDRAM / 8 MB Flash	
Real Time Clock (RTC)	Yes	
Buzzer	Yes	
Rotary Switch (0~9)	Yes	
Communication Interface		
Serial Port	x 1 (RS-232/RS-485 including Self-Tuner)	
USB 1.1 Client	Firmware updates only	
MMI (Main Machine Interface)		
LCD	3.5″ TFT (Resolution 240 x 320 x 16), defective pixels <= 3	
Backlight Life	20,000 hours	
Brightness	270 cd/m2	
LED Indicator	Yes	-
Touch Panel	Yes	
Reset Button	Yes	
Rubber Keypad	5 keys (Programmable)	-
Electrical		
Powered from Terminal Block	+12 ~ 48 V_{DC}	
Powered from PoE	-	
Power Consumption	2 W	
Mechanical		
Dimensions (W x L x H)	103 mm x103 mm x 53 mm	
Ingress Protection	Front Panel: IP65	
Installation	DIN-Rail Mounting and Panel Mounting	
Environmental		
Operating Temperature	-20 ~ +50°C	
Storage Temperature	-30 ~ +80°C	
Ambient Relative Humidity	10 ~ 90% RH, non-condensing	

📁 Pin Assignments

VPD-130/VPD-130N

Pin	Signal	
9	F.G.	
8	VDC	
7	GND	
6	GND	
5	Data-	RS-485
4	Data+	
3	TxD	RS-232
2	RxD	
1	GND	
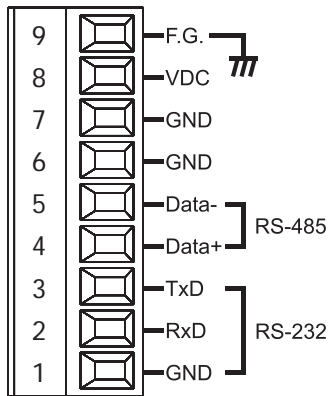
📁 Appearance

VPD-130 Front View

LED Indicators

3.5″ TFT LCD with Touch Panel

VPD-130

Rubber Keypad

VPD-130N Front View

3.5″ TFT LCD with Touch Panel

VPD-130N

VPD-130/VPD-130N Top View

USB

VPD-130/VPD-130N Bottom View

RS-232/RS-485   Rotary Switch