

**CERWATE Technologies Inc.**  
**PV080-VNT: 8"kleuren terminal**



**Product No.** PV080-VNT

**Product Name** 8.0" Genuine 65535 colors TFT Touch Panel

**Summary**

<Features>

- 1.Portrait 90° display & normal horizontal display supported
- 2.100% quality test and industrial standard coating cases let PV be looks reliable and nice.
- 3.Adopts 32 bits high function; high reliability and fan-less ARM CPU
- 4.Equipped with genuine 65535 true colors, high brightness TFT modules
- 5.Provides 3 RS232/422/485 communication ports available in standard models
- 6.The standard 128KB backup memory, which can expand up to 1MB, allows storing Alarm, Recipe and historical data
- 7.Supports multi-languages, Windows build-in Fonts, BMP and JPG graphics and GIF animations
- 8.Provides transparent communication for designers to save their program adjustment time
- 9.The ultimate patent front panel design inspired customers to make their own HMI membrane styles.
- 10.The expansion bus expands various customize devices, such as motion control, temperature control, communication module and I/O module?etc.
- 11.High speed Ethernet port supports upload and download remote communication.

## Product Information

Items	PV080-VNT
Processor	RISC 32 Bits CPU
Display Type	TFT Color LCD with 65535 colors
Display size	8" diagonal
Resolution	640X480
Brightness	350 cd/m2 ~ 450 cd/m2
Backlight Tube	CCFL(U type)x1
Contrast	250:1
Signal Interface	TFT LVDS or TTL interface
Communication Port	COM1/COM2/COM3 3 serial ports
USB Port	2 USB Host Ver.2.0 Full Speed Ports
Ethernet Port	10/100 Ethernet Port
Text Range	6x8 dot~96x96 dot font / Windows Build-in Fonts
Input Power	DC20V~DC28V
System Working Memory	64 MB SDRAM Memory (Maximum 128 MB)
Program Application Memory	16 MB Flash Memory (Maximum 64 MB)
Battery Backup Memory	128 KB (Standard) ~ 1 MB (Optional)
Power Consumption	20W
Operating Temperature	0°~50°C (32°~ 120°F)
Relative Humidity	10% ~ 90% @ 50°C, non-condensing
Shock (Operation)	10 to 55Hz (X, Y, Z direction, 1G 30 Min.)
EMI	Complies with FCC Part 15 Class A
EMC	Complies with EN55022, EN61000-4-2, EN61000-4-3, EN61000-4-8
Front Panel	Meets NEMA4 / IP65F
Net Weight	PV080-VNT:0.9Kg; PV080-VFT:1.1Kg

<Cut Out Dimension>

221.5 mm [8.72"] W x 164 mm [6.46"] H

<Outside Dimension>

232.5 mm [9.15"] W x 175.8 mm [6.75"] H x 49 mm [1.93"] T