



Features

- ✓ 7.0" TFT LCD Display
- ✓ 800 x 480 - 65,536 colours
- ✓ Touch screen
- ✓ 32 bits RISC 400MHz CPU Fan-less
- ✓ LED Back Light
- ✓ 1 x USB 2.0 Device, 1 x USB 1.1 Host
- ✓ 3 x Serial port (RS232/RS485 2W/4W)
- ✓ Built-in Power Isolator

Specification

System

CPU	32Bits RISC 400MHz processor
Memory	64MB DDR2 on board
Cooling System	Fan-less

Display

Display	7.0" TFT LCD
Luminance	300cd/m ²
Colours	65,536
Contrast Ratio	300:1
Resolution	800 x 480
Viewing angle	70°/50°/70°/70° (Top/Bottom/Left/Right)
Backlight	LED
Backlight Lifetime	30,000 hours

Touch Screen

Type	4 wires Analog Resistive
Lifetime	1 million touch (with finger) minimum

I/O

Serial Port	1 x COM1 (RS-232 / RS-485 2W / RS-485 4W) 1 x COM2 (RS-232) 1 x COM3 (RS-232 / RS-485 2W)
USB Port	1 x USB 2.0 Device - Mini USB format 1 x USB 1.1 Host located on the front panel of the unit
USB Connectivity	Supports a variety of USB devices: printer, bar code reader, mouse, etc.

Storage

Flash Memory	128MB Flash Memory on board Application size up to 16MB Data and Event Log size up to 48MB
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Mechanical

Construction	Plastic molding housing
Dimensions	200mm x 146mm x 42.5mm (W x H x D)
Mounting Method	Panel mount VESA 75 mount
Panel Cutout	192mm x 138mm (W x H)
Weight (net)	0.85Kg
Power Supply	DC 24 V +/- 20% (19.6~28.8V DC)
Power Consumption	250mA @ 24V

Environment

Storage Temp.	-20~60°C (-4~140°F)
Operating Temp.	0~45°C (32~113°F)
Relative Humidity	10~90% @ 40°C non-condensing
Vibration	2G peak, 10~25 Hz (X, Y, Z directions, 30 minutes)

Certifications

Front Panel	NEMA 4 IP 65
EMC	CE (EN50081-2 & EN50082-2 standards) FCC Class A

Programming Framework

Software	ViewBuilder8000 v3.0.0 or newer
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Ordering Information

PV6070iH	7.0" 800 x 480 TFT LCD HMI, 64 DDR2 RAM, 128MB Flash memory on board
RZCPV6100	Cable required to download application by USB port, Mini USB to USB 2.0, 1m cable