



Features

- ✓ 10" Wide screen TFT LCD Display
- ✓ 800 x 480 - 65,536 colours
- ✓ Touch screen
- ✓ 32 bits RISC 400MHz CPU Fan-less
- ✓ LED Back Light
- ✓ 1x USB 1.1 Host on Front Panel
- ✓ 1x USB 2.0 Device
- ✓ 3x COM & 1x SD Card ports
- ✓ Embedded Power Isolator

Specification

System

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

Display

Display	10" Wide screen TFT LCD
Luminance	300cd/m ²
Colours	65,536
Contrast Ratio	300:1
Resolution	800 x 480
Viewing angle	45°/65°/65°/65° (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
USB Connectivity	Supports a variety of USB devices: printer, bar code reader, mouse, etc.

Ethernet

Connector	1 x RJ45
Controller	10/100Mbps

Storage

Flash Memory	128MB Flash Memory on board Application size up to 16MB Data and Event Log size up to 50MB
SD Card	1 x SD Card slot
USB stick	Ability to store data on a third part USB stick

Mechanical

Construction	Plastic molding housing
Dimensions	286mm x 212mm x 50mm (W x H x D)
Mounting Method	Panel mount VESA 75 mount
Panel Cutout	259mm x 201mm (W x H)
Weight (net)	1.4Kg
Power Supply	DC 24 V +/- 20% (19.6~28.8V DC)
Power Consumption	300mA @ 24V

Environment

Storage Temp.	-20~60°C (-4~140°F)
Operating Temp.	-10~45°C (14~113°F)
Relative Humidity	10~95% @ 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 v2.0.0 or newer
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Ordering Information

PV8100i	10" Wide screen 800 x 480 TFT LCD HMI, 64 DDR2 RAM, 128MB Flash memory on board
RZCPV6100	Optional cable to download application by USB port, Mini USB to USB 2.0, 1m cable