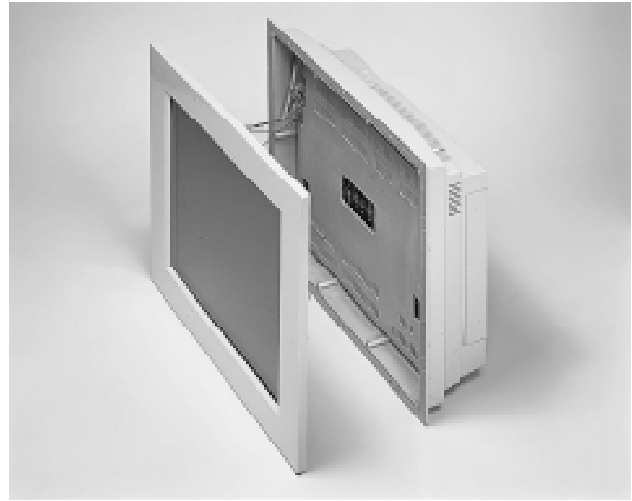


PPC-150T *Panel PC with 15" Color TFT LCD & Optional Resistive/SAW Touchscreen*



Introduction

The PPC-150T is a Pentium® MMX Panel PC with 15.0" TFT color LCD (resolution up to 1024 x 768). It features multimedia devices, various connectors, and can be installed in virtually any application. In addition, its user-friendly interface serves as the best host for information appliances. Even without built-in speakers and wireless infrared functions (IrDA), the PPC-150T still presents an ideal solution for interactive kiosks, point of information terminals (POI), and point of sale terminals (POS).

Protection

To meet the requirements of a public environment, the PPC-150T complies with the NEMA 4/IP 65 protection standard. Furthermore, the watchdog timer and power management features make the system secure and stable.

Networking

Four serial ports and a 10/100Base-T Ethernet controller give the PPC-150T advanced networking capabilities and provide the best solution for versatile applications.

Expansion

To extend functionality, the PPC-150T is designed with one expansion slot for PCI/ISA cards, two USB (Universal Serial Bus) ports, and one PCMCIA card bus (Type II x 2, Type III x 1). With these expansion capabilities, the PPC-150T does not only function as an HMI, but also as a computing center around which to build your application.

Easy Maintenance

Maintaining and replacing the LCD and touchscreen is made easier through the PPC-150T's modular design. In order to replace a defective LCD or touch screen, one merely needs to remove the front panel instead of disassembling the whole system.

Touchscreen Options

The customer can choose out of two types of touchscreen options: resistive and SAW (Surface Acoustic Wave). The resistive touchscreen is standard, while the SAW model is delivered upon request. Both options make the PPC-150T a more user-friendly interface for integration systems in different environments.

Note: The SAW models do not support PCMCIA cards due to the compact dimensions of the system.

Display type	TFT color LCD
Size (diagonal)	15"
Max. resolution	1024 x 768
Max. colors or greyscales	256 K
Pixel pitch (mm)	0.297 x 0.297 mm
Luminance (cd/m2)	200
Viewing angle	100°
Temperature	0 ~ 50°
VR controls	Brightness
Simultaneous mode	Yes
LCD MTBF	50,000 hrs.
Backlight MTBF	25,000 hrs.



Specifications

- **CPU:** Supports up to Intel Pentium®MMX 233 MHz
- **Disk drive housing:** Room for one 2.5" HDD
- **Dimensions:** 420 x 323 x 95.5 mm (16.54" x 12.72" x 3.80")
- **Weight:** 6.5 kg (14.3 lbs)
- **Front panel protection:** NEMA 4/IP 65 compliant
- **HDD:** IDE HDD interface (2.5" HDD bay)
- **CD-ROM drive:** Compact 24X or above
- **Memory:** Supports up to 128 MB SDRAM (168-pin)
- **FDD:** Supports 720 KB / 1.44 MB FDD
- **Network (LAN):** Novell NE2000 compatible, 10/100Base-T interface
- **I/O ports:**
 - 4 serial ports: RS-232 x 3, RS-232/422/485 x 1
 - 1 parallel port
 - PCMCIA Type II x 2, Type III x 1
 - 1 PS/2 mouse and keyboard interface
 - Mic-in, Line-in, Line-out, and game port
 - 2 USB ports
- **Bus expansion:** One expansion slot for half-size PCI/ISA card

Power Supply

- **Output rating:** 80 W (max.) AC 85 ~ 264 V inlet
- **Input voltage:** 85 ~ 264 V_{AC} @ 47 ~ 63 Hz
- **Output voltage:** +5 V @ 12 A, +12 V @ 1 A
- **MTBF:** 50,000 hrs

- **Safety:** Meets UL, CSA, CE
- **EMI:** Meets FCC/CE Class B

Environmental

- **Operating temperature:** 0 ~ 50° C (32 ~ 122° F)
- **Relative humidity:** 10 ~ 95% @ 40° C, non-condensing
- **Shock:** 10 G peak acceleration (11 msec. duration)
- **EMI:** Meets FCC/CE Class B

Touchscreen (Optional)

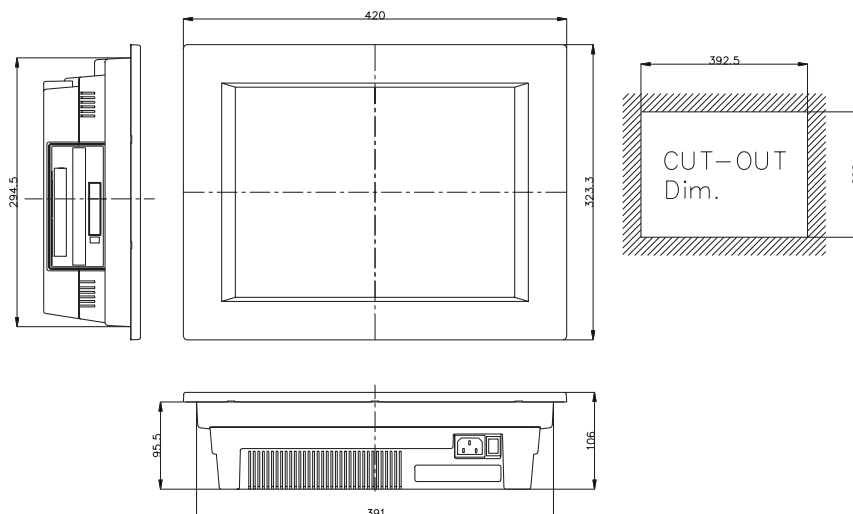
- **Types:** Resistive or SAW (Surface Acoustic Wave)
- **Resolution:** Continuous / 4096 x 4096
- **Light transmission:** 75% (Resistive) / 91% (SAW)
- **Controller:** RS-232 interface
- **Power consumption:** +5 V @ 200 mA / +5 V @ 150 mA
- **Software driver:** Supports both DOS and Windows
- **Lifetime:** 30 million touches / 50 million touches

Ordering Information

- PPC-150T**
Panel PC with 15" TFT LCD display
(resolution: 1024 x 768)
- PPC-150T-RT**
PPC-150T with resistive touchscreen

**Pentium® MMX CPU, SDRAM and 2.5" HDD are available as optional items.*

Dimensions



Unit: mm