

NEW PPC-123T/120T

**Celeron™ /Pentium® MMX
Panel PC with 12.1" Color
TFT LCD Display**



Introduction

The PPC-123T and PPC-120T are Celeron™ and Pentium® MMX based Panel PCs with 12.1" TFT color LCD (resolution up to 800 x 600). They are ideal monitoring devices and interfaces for information applications because of their outstanding multi-function features.

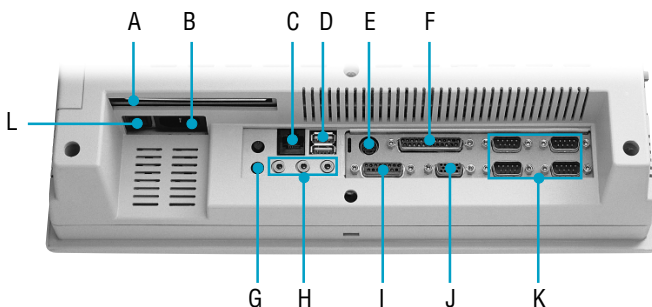
Data Transmission

The wireless infrared function (IrDA) provides convenient data transmission in field applications.

Multimedia Function

The PPC-123T and PPC-120T have two front-panel speakers for Sound Blaster-compatible audio functions. Moreover, the audio function (Mic-in/Line-out/Line-in), CD-ROM, and game port make the PPC-123T and PPC-120T a full-function host for multimedia applications.

Fully-integrated I/O



- | | |
|-------------------------------|----------------------------|
| a. Expansion slot(PCI/ISA) | g. VR |
| b. AC-inlet | h. Mic-in/Line-out/Line-in |
| c. 10/100Base-T Ethernet port | i. MIDI/Game port |
| d. USB | j. VGA port |
| e. Keyboard/Mouse | k. 4 COM ports |
| f. Parallel port | l. Power Switch |

Specifications

- **Construction:** Inside: Heavy duty steel
Outside: Fire-resistant plastic
- **CPU:** Intel® Celeron™ up to 500 MHz (PPC-123T)
Intel® Pentium® MMX up to 233 MHz (PPC-120T)
- **Memory:** SDRAM up to 256 MB (PPC-123T)
SDRAM up to 128 MB (PPC-120T)
- **HDD:** One internal 2.5" drive
- **FDD:** One internal 3.5" drive
- **CD-ROM drive:** Compact 24X or above
- **DVD-ROM drive:** Optional 6X or above (for PPC-123T only)
- **Network (LAN):** 10/100Base-T Ethernet 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
 - PS/2 mouse & KB x 1
 - Mic-in, Line-in, Line-out & game port
 - 2 USB ports
- **Bus expansion:** One expansion slot for half-size PCI/ISA card
- **Front panel protection:** NEMA 4/IP 65 compliant
- **Cooling system:** One 16 CFM (flow-in) fan on rear panel
- **Dimensions:** 375 x 285.5 x 93.3 mm (14.8" x 11.2" x 3.7")
- **Weight:** 5.2 kg (11.5 lbs)

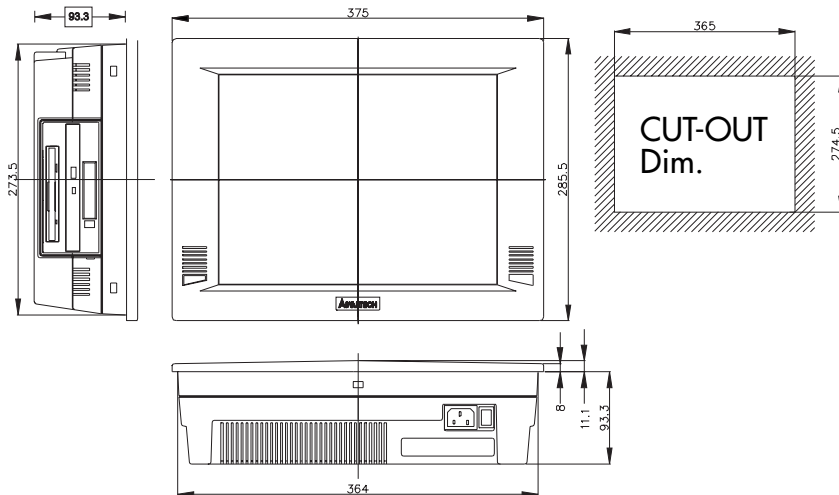
LCD Display

Model	PPC-123T/120T
Display type	TFT color LCD
Size (Diagonal)	12.1"
Max. resolution	800 x 600
Max. colors or greyscales	256 K
Pixel pitch (mm)	0.31 x 0.31
Luminance (cd/ m2)	250
Viewing angle	100°
Temperature	0 ~ 50° C
VR controls	Brightness
Simultaneous mode	Yes
MTBF	50,000 hours
Backlight MTBF	25,000 hours



Dimensions

Unit: mm



Power Supply

- **Output rating:** 80 W (max.)
- **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

Touchscreen (optional)

- **Types:** Analog resistive / Capacitive
- **Resolution:** Continuous / 1024 x 1024
- **Light transmission:** 75% (Resistive) / 85% (Capacitive)
- **Controller:** RS-232 interface
- **Power consumption:** +5 V @ 200 mA / +5 V @ 100 mA
- **Software driver:** Supports both DOS and Windows
- **Lifetime:** 30 million touches (Resistive)
20 million touches (Capacitive)

Environmental Specifications

- **Operating temperature:** 0 ~ 45° C (32 ~ 113° F)
- **Relative humidity:** 10 ~ 95% @ 40° C, non-condensing
- **Shock:** 10 G peak acceleration (11 msec. duration)
- **Safety:** UL, CSA, CE compliant
- **EMI/EMC:** CE, FCC Class B, VCCI approval

Ordering Information

- ❑ **PPC-123T**
Celeron™ Panel PC with 12.1" TFT LCD display
(resolution: 800 x 600)
- ❑ **PPC-123T-RT**
PPC-123T with resistive touchscreen
- ❑ **PPC-123T-CT**
PPC-123T with capacitive touchscreen
- ❑ **PPC-120T**
Pentium® Panel PC with 12.1" TFT LCD display
(resolution: 800 x 600)
- ❑ **PPC-120T-RT**
PPC-120T with resistive touchscreen
- ❑ **PPC-120T-CT**
PPC-120T with capacitive touchscreen

Optional Peripherals

- ❑ **PPC-120 STAND**
Stand kit for PPC-153/150 and PPC-123/120 series
- ❑ **PPC-120 SWINARM**
Swing arm kit for PPC-123/120 series
- ❑ **PPC-120 WALL-MT**
Wall mount kit for PPC-153/150 and PPC-123/120 series