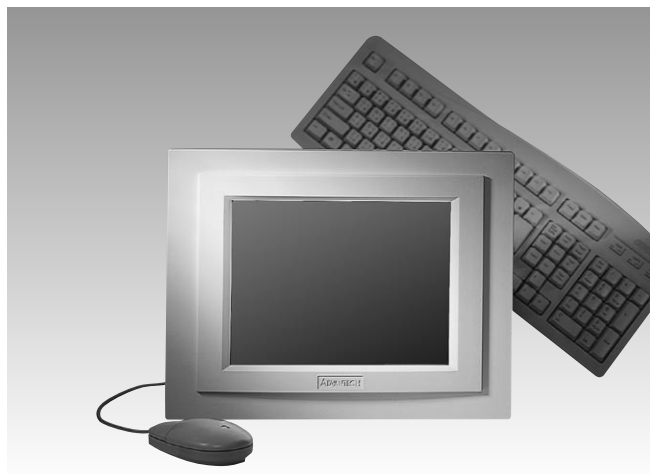


PPC-103T

Panel PC with 10.4" Color TFT LCD and Intel® Pentium® III/Intel Celeron® processor



Features

- 10.4" TFT SVGA LCD
- Intel® Pentium® III and Celeron® CPU up to 850 MHz
- System memory up to 512 MB SDRAM
- One optional PCI/ISA expansion slot
- One CompactFlash® Type I and II socket (True IDE Mode)
- 10/100Base-T Ethernet
- External IDE/FDD connectors

Introduction

The Panel PC, PPC-103T, integrates a 10.4" SVGA TFT LCD display into a stylish and flame-resistant chassis with a depth of 61.5 mm (2.4"). It can support high performance Intel Celeron and Pentium III processors. The PPC-103T's high-brightness 800 x 600 SVGA LCD display, built-in 16-bit Sound Blaster compatible audio controller, up to 512 MB SDRAM capacity and 10/100Base-T Ethernet controller provide integration capability to meet different application needs.

Specifications

- **Display** 10.4" SVGA TFT LCD
- **CPU** Supports Intel Pentium III and Intel Celeron processors, up to 850 MHz
- **Memory** Up to 512 MB SODIMM
- **HDD** One EIDE interface, 2.5" type
- **FDD** Supports one external FDD connector
- **SSD** Supports one CompactFlash Type I and II Socket (True IDE Mode)
- **I/O ports**
 - 4 serial ports: RS-232 x 3, RS-232/422/485 x 1
 - 1 parallel port, 2 USB
 - External VGA port
 - PS/2 mouse and keyboard
 - Built-in Mic-in / Line-out jacks
- **Network** 10/100Base-T Ethernet interface
- **Dimensions (W x H x D)** 342 x 265 x 92.4 mm (13.5" x 10.4" x 3.64")
- **Weight** 3.5 kg (7.7 lbs)

LCD Display

- **Display Type** 10.4" SVGA TFT LCD
- **Max. Resolution/Colors** 800 x 600 @ 256 K
- **Pixel Pitch (mm)** 0.264 x 0.264
- **Luminance (cd/m²)** 230
- **Viewing Angle** 60/60/35/65 (L/R/U/D)
- **Temperature** 0 ~ 50° C
- **VR Controls** Yes
- **Simultaneous Mode** Yes
- **LCD MTBF** 50,000 hrs.
- **Backlight MTBF** 20,000 hrs.

Power Supply

AC model

- **Output Rating** 60 W
- **Input Voltage** 100 ~ 240 V_{AC} @ 50/60 Hz, autoranging
- **Output Voltage** +5 V @ 5 A, +12 V @ 3 A

DC model

- **Output Rating** 75 W
- **Input Voltage** 18 V_{DC} ~ 36 V_{DC}, typical 24 V_{DC}, 4.2 A max
- **Output Voltage** +5 V @ 8 A, +12 V @ 2.5 A

DC model (optional)

- **Output Rating** 65 W
- **Input Voltage** 9.5 V_{DC} ~ 18 V_{DC}, typical 12 V_{DC}, 6.8 A max
- **Output Voltage** +5 V @ 7 A, +12 V @ 2 A

Touchscreen (optional)

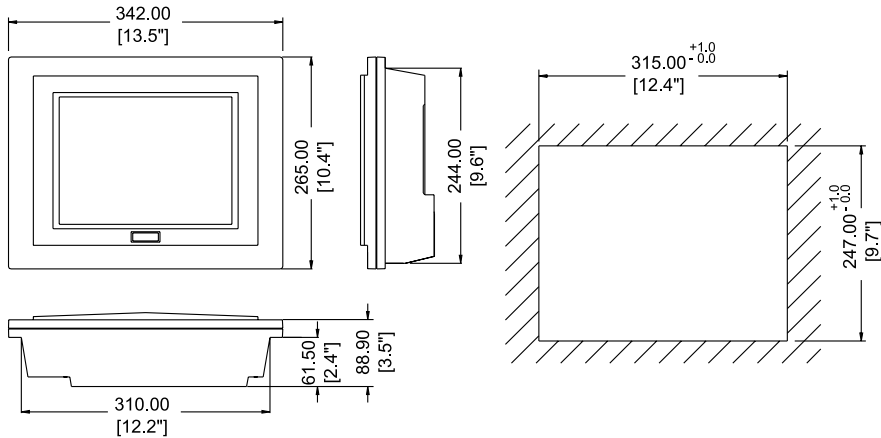
- **Type** Analog resistive Infrared
- **Resolution** Continuous 4096 x 4096
- **Light Transmission** 75% 91%
- **Controller** RS-232 interface (COM 4) RS-232 interface (COM4)
- **Power Consumption** +5 V @ 200 mA +5 V @ 150 mA
- **Software Driver** Supports both DOS and Windows®
- **Lifetime** 10 million 100,000 hrs

Environmental Specifications

- **Operating Temperature** 0 ~ 40° C (32 ~ 104° F)
- **Relative Humidity** 10 ~ 95% @ 40° C (non-condensing)
- **Shock (Operating)** 10 G peak acceleration (11 ms. duration)
- **EMC** CE, FCC Class B, VCCI, CCC
- **Safety** UL, CE
- **Front Panel Protection** IP 65/NEMA 4 compliant

Dimensions

Unit: mm (inch)

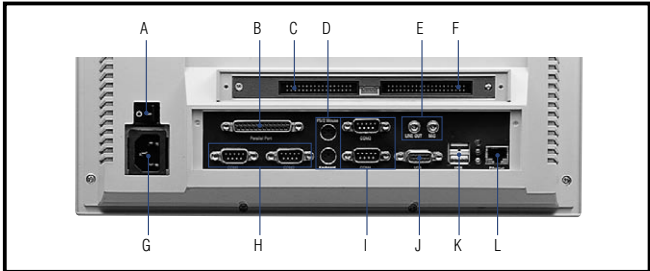


Ordering Information

- **PPC-103T** **Bare BOM: PPC-103T-BBAR**
Intel Pentium III, Intel Celeron Panel PC with 10.4" TFT SVGA LCD display
- **PPC-103T-RT** **Bare BOM: PPC-103T-BBAR-T**
PPC-103T with resistive touchscreen
- **PPC-103T-DC-RT** **Bare BOM: PPC-103DC-BBA-T**
PPC-103T-RT with 24V_{DC} power supply (12 V_{DC} is optional)
- **PPC-103T-SR** **Bare BOM: PPC-103T-BBAR-SR**
PPC-103T-BBAR with Infrared touchscreen with sunlight readable panel
- **PPC-100 STAND** Stand kit for PPC-100/103 series
- **PPC-100 SWINGARM** Swing arm kit for PPC-100/103 series
- **PPC-100 WALL-MT** Wall mount kit for PPC-100/103 series
- **PPC-EXP-103** PCI/ISA expansion kit for PPC-103

*Infrared touchscreen and sunlight readable pael can be separated as OEM items

Fully-Integrated I/O



- A. Power switch
- B. Parallel port
- C. FDD port
- D. PS/2 mount & keyboard
- E. Mic-in/Line-out
- F. IDE port
- G. AC inlet
- H. COM ports
- I. COM ports
- J. VGA port
- K. USB ports
- L. Ethernet

Applications

- Point-of-information / Point-of-sales terminals
- Interactive kiosks
- Entertainment terminals
- Banking / Office automation
- Production process control
- Factory automation systems