

PPC-S123T

UltraSlim™ Panel PC with 12.1" Color TFT LCD and Intel® Pentium® III Processor



Features

- 12.1" TFT SVGA LCD
- Intel® Pentium® III processor CPU up to 850 MHz
- System memory up to 512 MB SDRAM
- 1 x (optional) PCI/ISA expansion kit
- 10/100Base-T Ethernet
- UltraSlim™ profile: only 54.5 mm (2.15") in depth
- Removable hard drive module
- External IDE/FDD connectors

Introduction

PPC-S123T includes all the features of a powerful computer packed into a slim and stylish housing. The high performance and UltraSlim™ 12.1" panel computer occupies only 54.5 mm in depth. Incorporated with a 12.1" TFT LCD, powerful Intel Pentium III CPU up to 850 MHz, plug-in hard drive module and external IDE/FDD connectors for easy maintenance, the PPC-S123T provides a state-of-the-art information terminal or computing platform for semiconductor applications. It is also a perfect operator interface for applications that have space limitations.

Specifications

- **CPU** Supports Socket 370 based Pentium III CPU up to 850 MHz
- **Disk Drive Housing** Room for one 2.5" HDD and one Type I CompactFlash socket
- **Dimensions(W x H x D)** 311 x 237 x 54.5 mm (12.24" x 9.33" x 2.15")
- **Weight** 2.6 kg (5.8 lbs)
- **Front Panel Protection** IP 65/NEMA 4 compliant
- **HDD** IDE HDD interface (2.5" HDD bay), easy removable
- **Memory** Supports up to 256 x 2 MB SDRAM SODIMM
- **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, 2 USB ports
 - 1 PS/2 mouse and keyboard interface
 - Line-in, Line-out
- **Bus Expansion** One optional PCI/ISA expansion slot

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)
- **EMC** CE, FCC Class B
- **Safety** UL, CSA, CE

Power Supply (DC/DC converter)

- **Output Rating** 60 W
- **Input Voltage** 18 V_{DC} ~ 25 V_{DC}, 4A max.
- **Output Voltage** +5 V @ 8 A, +12 V @ 1.5 A, -12 V @ 0.4 A

Power Adaptor

- **Input Voltage** 100 V_{AC} ~ 240 V_{AC}
- **Output Voltage** 19 V @ 3.79 A

LCD Display

- **Display Type** 12.1" TFT
- **Resolution** 800 x 600
- **Color** 256 k or above
- **Pixel Pitch** 0.31 x 0.31 mm
- **Brightness** 300 cd/m²
- **Viewing Angle** 45° (left), 45° (right), 10° (up), 30° (down)
- **Brightness Control** Yes
- **LCD Lifetime** 50,000 hrs
- **Backlight MTBF** 50,000 hrs

Touchscreen

- **Type** Analog resistive
- **Resolution** Continuous
- **Light Transmission** 75 %
- **Controller** RS-232 interface
- **Power Consumption** <5 V @ 100 mA
- **Software Driver** Supports Microsoft Windows 98/NT/2000/ME/XP
- **Durability (Touch lifetime)** 10 million times

Ordering Information

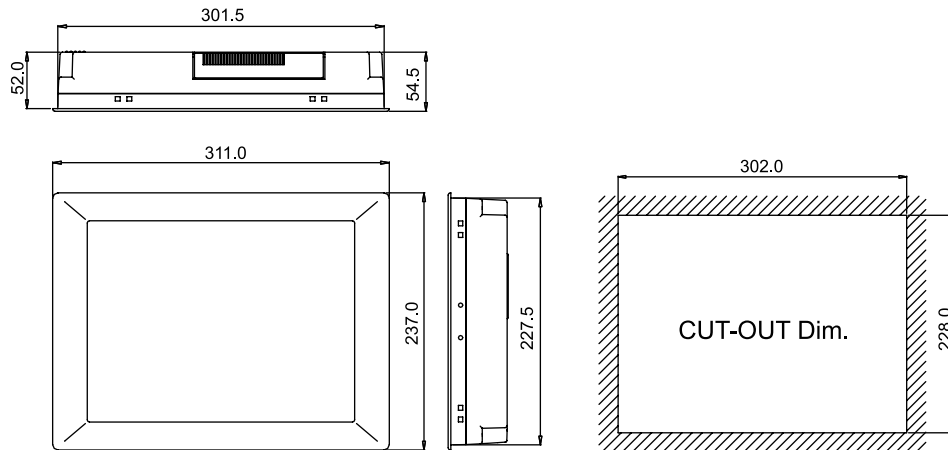
- **PPC-S123T-071** **Bare BOM: PPC-S123T-071-X**
UltraSlim™ Intel Pentium III-based panel computer with 12.1" TFT LCD
- **PPC-S123T-R71** **Bare BOM: PPC-S123T-R71-X**
PPC-S123T-071 with resistive touchscreen

Optional Items

- **PPC-EXP-S123** Expansion kit for PPC-S123T
- **PPC-S123 WL-MT** Wall mount kit for PPC-S123T
- **PPC-S123RACK-MT** 19" Rack Mounting Kit for PPC-S123 (6U)
- **PPC-ARM-A01** VESA standard ARM for PPC series

Dimensions

Unit: mm (inch)



Feature Details

High Performance in Both CPU and Display

PPC-S123T incorporates a socket 370 CPU board with 100 MHz front side bus, which can support Intel Pentium III 850 MHz CPU. With a 300 cd/m², 12.1" SVGA LCD, the PPC-S123T also shows great and powerful display performance.

Plug-in HDD Module and External IDE/FDD Connectors

The hard drive is removable without disassembling the system, and external IDE/FDD connectors can connect an external CD-ROM drive and floppy drive for easy maintenance.

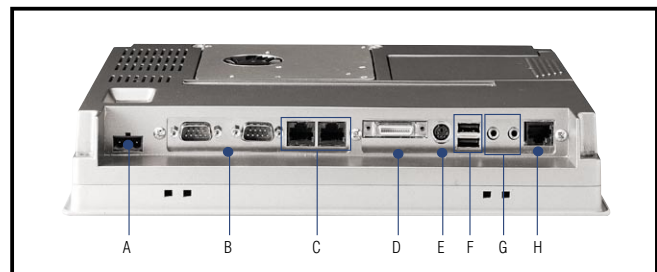
UltraSlim™ Profile

With dimension of 311 x 237 x 54.5 mm, the PPC-S123T occupies much less space than previous panel computers. Thanks to its VESA compliant slim design, the PPC-S123T also provides flexibility in its installation, such as wall mounting, hanging, swing arm mounting, or fixed on a desktop stand.

Networking and expansion capability

Four serial ports, two USB ports and a 10/100Base-T Ethernet controller give the PPC-S123T advanced networking capabilities and provide the best solution for versatile applications. With an optional PCI/ISA expansion kit, the PPC-S123T can offer connection with customer's add-on card with either PCI interface or ISA interface.

Fully Integrated I/O



- | | |
|------------------|-------------------------------|
| A. Power inlet | E. Keyboard/mouse |
| B. COM1 & COM2 | F. USB port |
| C. COM3 & COM4 | G. Line-in/Line-out |
| D. Parallel port | H. 10/100Base-T Ethernet port |