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
- One (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 slender, stylish housing. The high performance and UltraSlim 12.1" panel computer maintenance. only 54.5 mm in depth. It incorporates 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 for 1 x 2.5" HDD and 1 x 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 x serial ports: 3 x RS-232, 1 x RS-232/422/485 - 1 x parallel port, 2 x USB ports - 1 x PS/2 mouse and keyboard interface - Line-in, Line-out
Bus Expansion	1 x 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}, 4 A 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	0.3075 x 0.3075 mm
Brightness	400 cd/m²
Viewing Angle	70° (left), 70° (right), 60° (up), 50° (down)
Brightness Control	Yes
Backlight MTBF	50,000 hrs

Touchscreen (Optional)

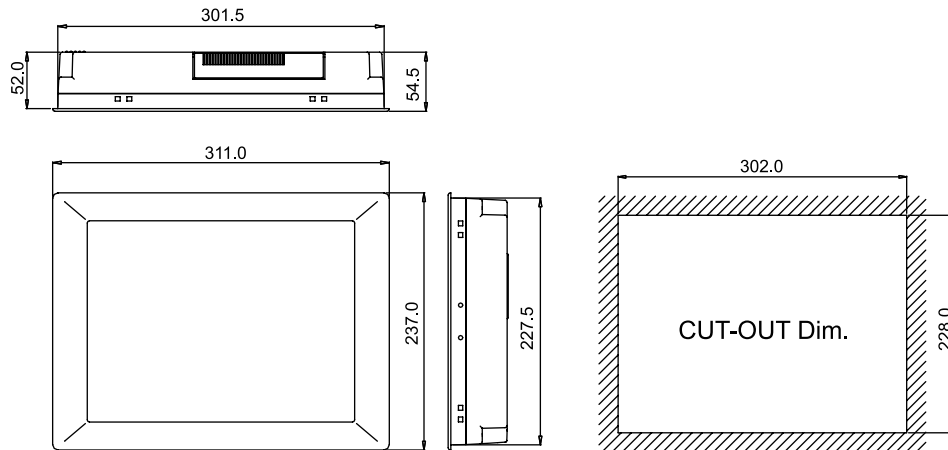|	
Type	Analog resistive
Resolution	Continuous
Light Transmission	75%
Controller	RS-232 interface
Power Consumption	< 5 V @ 100 mA
Software Driver	Supports Microsoft Windows 98/NT/2000/ME/XP
Durability (Touch lifetime)	10 million times

Ordering Information

Part No.	Description
PPC-S123T-071-XE	Bare BOM of PPC-S123T-071-XE equips
PPC-S123T-R71-XE	Bare BOM of PPC-S123T-R71-XE equips with Resistive touchscreen

Optional Items

Part No.	Description
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

301.5
52.0
54.5
311.0
237.0
227.5
302.0
228.0
CUT-OUT Dim.

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.
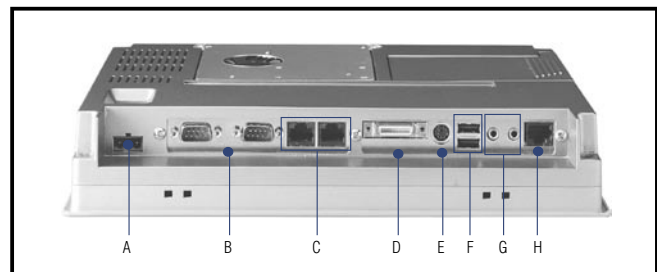
UltraSlim Profile

With a 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, swingarm 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. DC inlet
B. COM1 & COM2
C. COM3 & COM4
D. Parallel port
E. Keyboard/mouse
F. USB port
G. Line-in/Line-out
H. 10/100Base-T Ethernet port