

PPC-S153T

UltraSlim™ Panel PC Pentium® III Based with 15" TFT LCD



Introduction

The Advantech PPC-S153T is a high performance and UltraSlim™ 15" Panel Computer, incorporating all the features of a powerful computer packed into a slim and stylish housing. Its streamline design occupies only 49 mm in depth. Built with a 15" TFT XGA LCD, a powerful Pentium® III CPU up to 1 GHz and built-in 3D display engine, the PPC-S153T provides a state-of-the-art information terminal or computing platform for POI, multimedia and medical applications. Meanwhile, the compact and slim design makes the PPC-S153T flexible in installation, such as wall mounting, hanging, swing arm mounting, and desktop stand mounting.

High-performance CPU and Display

The PPC-S153T's Socket 370 CPU board with 133 MHz front side bus can support up to 1 GHz. Integrated with a 3D display controller and 15" XGA and true color LCD, the PPC-S153T also demonstrates its excellent display performance.

Ultra-slim Profiles

Measuring 375 x 299 x 49 mm, the PPC-S153T occupies much less space than previous Panel Computers. Thanks to its VESA compliant slim design, the PPC-S153T also provides flexibility in its installation, such as wall mounting, hanging, swing arm mounting, or fixed on a desktop stand.

Networking and Expansion Capability

Two serial ports, four USB ports and a 10/10Base-T Ethernet controller enable the PPC-S153T with advanced networking capabilities and provide the best solution for versatile applications. With a built-in Type III Mini PCI socket, the PPC-S153T can offer connections with Type III Mini PCI 56 K modem or second Ethernet or wireless LAN card to enhance the networking capability.

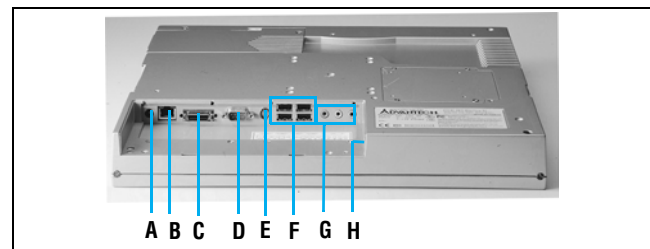
Features

- 15" TFT XGA LCD
- Pentium® III CPU and Celeron™ CPU up to 1 GHz
- System memory up to 1 GB SDRAM
- Built-in FDD / CD-ROM drive / speakers
- One Mini PCI socket
- 10/100Base-T Ethernet
- Ultra slim profile: only 49 mm (1.93") in depth

Specification

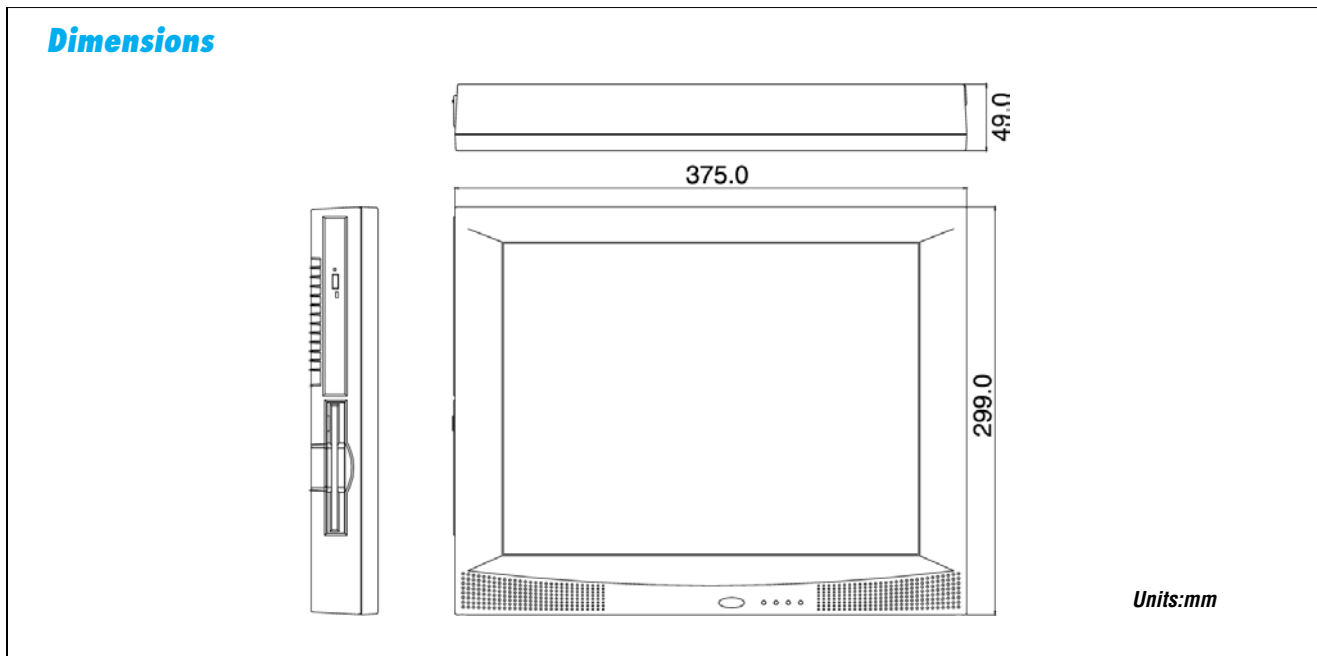
- **CPU:** Supports Socket 370 based Pentium® III/Celeron™ CPU up to 1 GHz
- **Memory:** Supports up to 1 GB SDRAM SODIMM
- **Disk drive housing:** Room for one 2.5" HDD
- **HDD:** One IDE HDD interface (2.5" HDD bay)
- **FDD:** Supports 720 KB / 1.44 MB FDD
- **CD-ROM drive:** Compact 24X or above
- **DVD-ROM drive:** Optional 6X or above
- **CD-RW drive:** Optional 8/4/24X or above
- **Network (LAN):** 10/100Base-T Ethernet interface
- **I/O ports:**
 - - 2 serial ports: RS-232 x 1, RS-232/422/485 x 1
 - - 1 parallel port, 4 USB ports
 - - 1 PS/2 mouse and keyboard interface
 - - Mic-in, Line-in, Line-out
- **Bus expansion:** One Mini PCI expansion slot
- **Front panel protection:** IP 65/NEMA 4 compliant
- **Dimensions:** 375 x 299 x 49 mm (14.76" x 11.77" x 1.93")
- **Weight:** 4.9 kg (10.78 lbs)

Fully Integrated I/O



- A. Power Inlet
- B. 10/100Base-T Ethernet port
- C. Parallel port
- D. COM1 port
- E. Keyboard/Mouse
- F. USB ports
- G. Mic-in/Line-out/Line-in
- H. COM2 port





LCD Display

- **Display type:** 15" TFT
- **Resolution:** 1024 x 768
- **Color:** 256 K or above
- **Pixel pitch:** 0.297 x 0.297 mm
- **Brightness:** 200 cd/m²
- **Viewing angle:** 120°
- **Brightness control:** Yes (Hot key)
- **Simultaneous mode:** Yes (Optional)
- **LCD lifetime:** 50,000 hrs
- **Backlight MTBF:** 25,000 hrs

Touchscreen (Optional)

- **Type:** Analog resistive, continuous resolution
- **Light transmission:** 75%
- **Controller interface:** PS/2
- **Power consumption:** < 5 V @ 100 mA
- **Software driver:** Supports DOS, Windows® 95/98/NT/ME/2000/XP
- **Touch lifetime:** 100 million

Power Supply

- **Output Rating:** On-board DC/DC power supply 70 W
- **Input Voltage:** 24 V_{DC} (Typical)
- **Output Voltage:** 5 V @ 12 A, 24 V @ 0.3 A
- **Adaptor:** 100-250 V_{AC} to 24 V_{DC} @ 2.5 A

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:** UL1950, EN60950

Ordering Information

- PPC-S153T-070**
Bare BOM: PPC-S153T-070-X
 Ultra slim Pentium® III-based Panel Computer with 15" TFT LCD (SMI721 8 MB)
- PPC-S153T-071**
Bare BOM: PPC-S153T-071-X
 Ultra slim Pentium® III-based Panel Computer with 15" TFT LCD (SMI721 4 MB)
- PPC-S153T-R70**
Bare BOM: PPC-S153T-R70-X
 PPC-S153T-070 with resistive touchscreen (SMI721 8 MB)
- PPC-S153T-R71**
Bare BOM: PPC-S153T-R71-X
 PPC-S153T-070 with resistive touchscreen (SMI721 4 MB)

Optional Items

- PPC-S153 STAND:**
Stand kit for PPC-S153T
- PPC-S153 WL-MT:**
Wall-mount kit for PPC-S153T
- PPC-ARM-A01:**
VESA standard ARM for PPC series