

PPC-S154T

UltraSlim™ Panel PC with 15" Color TFT LCD Intel® Pentium® 4 Processor-M



Features

- 15" TFT XGA LCD
- Mobile Intel® Pentium® 4 Processor-M CPU up to 2.2 GHz
- System memory up to 1 GB DDR SDRAM
- Built-in FDD / CD-ROM drive / speakers
- One Mini PCI socket
- 10/100Base-T Ethernet (or Gigabit Ethernet for option)
- Meets VESA standard
- Supports one internal CompactFlash® Type II socket
- UltraSlim profile: only 49 mm (1.93") in depth

Introduction

PPC-S154T is a high performance and UltraSlim 15" Panel Computer, incorporating all the features of a powerful computer packed into a slim and stylish housing. Built with a 15" TFT XGA LCD, a powerful Mobile Intel Pentium 4 Processor-M CPU up to 2.2 GHz, and 3D display engine, the mobile Intel Pentium 4 Processor-M is the first Intel mobile processor with the Intel NetBurst™ micro-architecture. The PPC-S154T 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-S154T flexible in installation, such as wall mounting, hanging, swing arm mounting, and desktop stand mounting.

Specifications

- **CPU** Supports Socket 478 based Mobile Intel Pentium 4 Processor-M CPU up to 2.2 GHz (Standard is built-in 1.7 GHz CPU)
- **Memory** Supports up to 1 GB DDR SDRAM SODIMM (Standard is built-in 256 MB SDRAM)
- **SSD** Supports 1 internal CompactFlash Type II socket
- **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
- **Network (LAN)** 10/100Base-T Ethernet interface (or Gigabit optional)
- **Bus Expansion** One Mini PCI expansion slot
- **Front Panel Protection** IP 65/NEMA 4 compliant
- **Dimensions (W x H x D)** 375 x 299 x 49 mm (14.76" x 11.77" x 1.93")
- **Weight** 4.9 kg (10.78 lbs)

LCD Display

- **Display Type** 15" TFT
- **Resolution** 1024 x 768
- **Color** 256 K or above
- **Pixel Pitch** 0.297 x 0.297 mm
- **Brightness** 350 cd/m² (Typ.)
- **Viewing Angle** 60° (left), 60° (right), 40° (up), 60° (down)
- **Simultaneous Mode** Yes (Optional)
- **Backlight MTBF** 50,000 hrs

Touchscreen (Optional)

- **Type** Analog resistive, continuous resolution
- **Light Transmission** 80%
- **Power Consumption** < 5 V @ 100 mA
- **Durability (Touch Lifetime)** 35 million

Power Supply

- **Output Rating** Onboard DC/DC ATX type power supply 70 W
- **Input Voltage** 24 V_{DC} (Typical)
- **Output Voltage** 5 V @ 12 A, 24 V @ 0.3 A
- **Adaptor** 100 V_{AC} ~ 240 V_{AC} to 19 V @ 3.79 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** UL, CE, CB

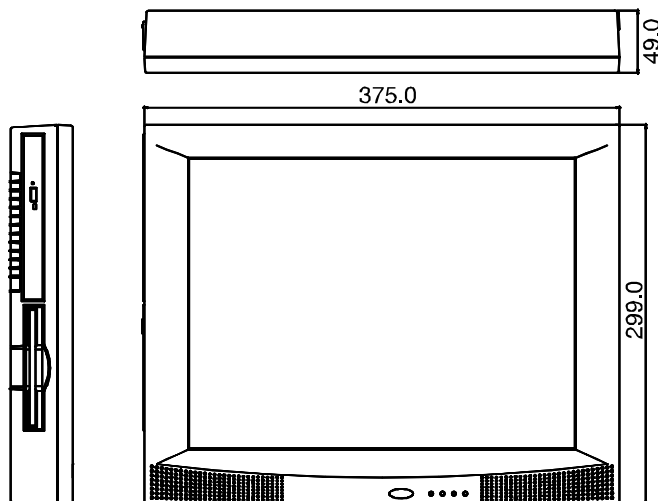
Ordering Information

- **PPC-S154T-080** **Bare BOM: PPC-S154T-080-XE**
UltraSlim™ Intel Pentium 4-M based Panel computer with 15" TFT LCD
- **PPC-S154T-R80** **Bare BOM: PPC-S154T-R80-XE**
PPC-S154T-XE with resistive touchscreen.
- **PPC-S153 STAND** Stand kit for PPC-S153T/S154T
- **PPC-S15X STAND-BLK** Black stand kit for PPC-S153T/S154T
- **PPC-S154 WL-MT** Wall mount kit for PPC-S154T
- **PPC-ARM-A01** VESA standard ARM for PPC series

* P4-M 1.7 GHz CPU and 256 MB DDR are built-in

Dimensions

Unit: mm (inch)



Feature Details

High-performance CPU and Display

The PPC-S154T's Socket 478 CPU board with 400 MHz front side bus. Integrated with a 3D display controller and 15" XGA and true color LCD, the PPC-S154T also demonstrates its excellent display performance.

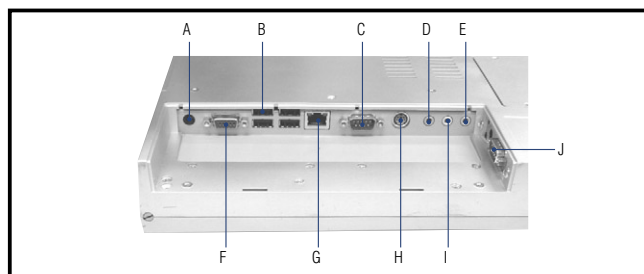
UltraSlim™ Profile

With a dimension of 375 x 299 x 49 mm, the PPC-S154T occupies much less space than previous panel computers. Thanks to its VESA compliant slim design, the PPC-S154T 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 2.0 ports and a 10/100Base-T or Gigabit Ethernet controller enable the PPC-S154T with advanced networking capabilities and provide the best solution for versatile applications. With a built-in Type III Mini PCI socket, the PPC-S154T can offer connections with Type III Mini PCI 56 K modem or second Ethernet or WLAN card to enhance the networking capability. With a built-in internal CompactFlash, Type II socket, the PPC-S154T can offer connections with CF type storage.

Fully-Integrated I/O



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|-----------------|------------------|
| A. DC inlet | F. VGA port |
| B. USB ports | G. Ethernet jack |
| C. COM1 | H. PS/2 port |
| D. Mic-in jack | I. Line-out jack |
| E. Line-in jack | J. COM2 |