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)
- Meet VESA standard
- Supports one internal CompactFlash® Type II socket
- Ultra slim profile: only 49 mm (1.93") in depth

Introduction

PPC-S154T is a high performance and ultra slim 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** — 250 cd/m2 (Typ.)
- **Viewing Angle** — 60° (left), 60° (right), 40° (up), 60° (down)
- **Simultaneous Mode** — Yes (Optional)
- **LCD Lifetime** — 50,000 hrs
- **Backlight MTBF** — 30,000 hrs

Touchscreen (Optional)

- **Type** — Analog resistive, continuous resolution
- **Light Transmission** — 75%
- **Power Consumption** — < 5V @ 100 mA

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)
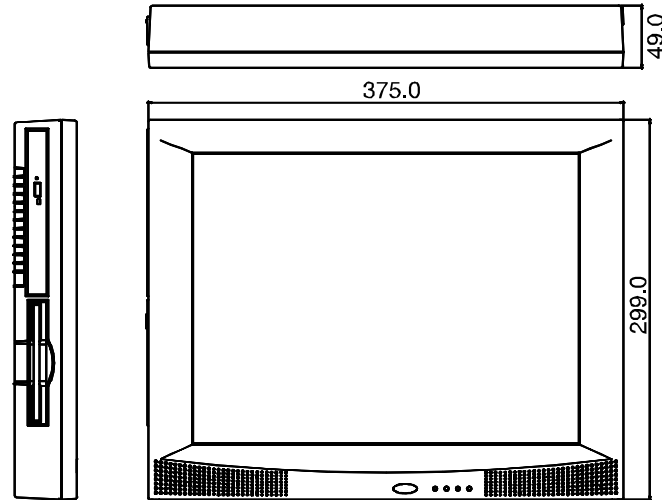- **EMC** — CE, FCC Class B
- **Safety** — UL, CE, CB

Ordering Information

- **PPC-S154T-080** — **Bare BOM: PPC-S154T-080-X*** UltraSlim™ Intel Pentium 4-M based Panel computer with 15" TFT LCD
- **PPC-S154T-R80** — **Bare BOM: PPC-S154T-R80-X*** PPC-S154T-080 with resistive touchscreen.
- **PPC-S153 STAND** — 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)

49.0

375.0

299.0

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.
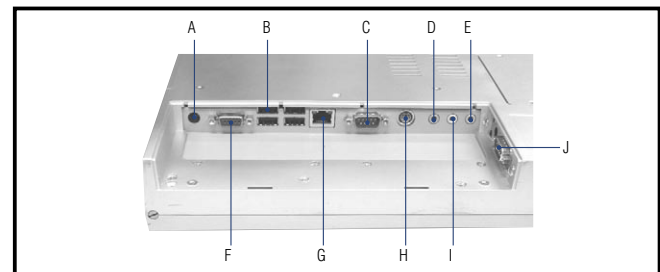
UltraSlim™ Profile

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 wireless LAN 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

A. DC inlet
B. USB ports
C. COM1
D. Mic-in jack
E. Line-in jack

F. VGA port
G. Ethernet jack
H. PS/2 port
I. Line-out jack
J. COM2