# **PPC-S154T**

## 15" UltraSlim™ Panel PC with Intel® Pentium® 4/Pentium® M Processor



### **Features**

- 15" TFT XGA LCD
- Mobile Intel<sup>®</sup> Pentium<sup>®</sup> 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 espansion slot
- 10/100Base-T Ethernet (or optional Gigabit Ethernet)
- Meets VESA standard
- Supports one internal CompactFlash® Type II socket
- UltraSlim<sup>™</sup> profile: only 49 mm (1.93") in depth







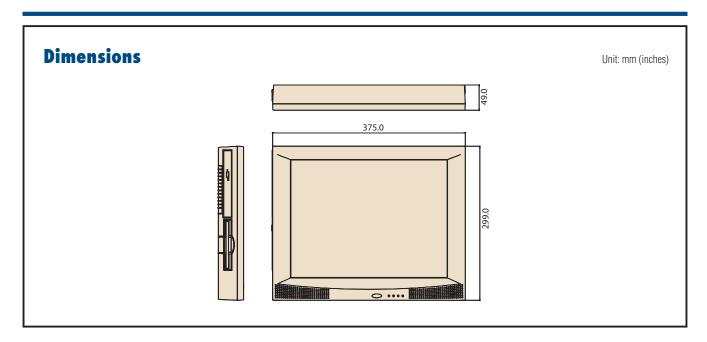


## Introduction

PPC-S154T is a high performance and UltraSlim 15" Panel Computer, incorporating all the features of a powerful computer packed into a slender, 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, swingarm mounting, and desktop stand mounting.

# **Specifications**

CPU         Supports Socket 478 based Mobile Intel Pentium 4 Processor-M CPU up to 2.2 GHz (Slandard 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 x internal CompactFlash Type II socket           HDD         1 x Ib ED DI Interface (25° HDD bay)           FDD         Supports 720 KB / 1.44 MB FDD           Processor System         CD-ROM Drive DV-ROM Drive DV-ROM Drive DV-ROM Drive Over Compact 24X or above Network (LAN)         Compact 24X or above Network (LAN)           Network (LAN)         10/1008ase-T Ethernet interface (or Gigabit optional)           Bus Expansion Professions (W x H x D)         375 x 299 x 49 mm (14.76° x 11.77° x 1.93°)           Weight A 9.8 kg (10.78 lb)         15° TFT           Resolution Poslipal Yipe         15° TFT           Resolution Simultaneous Mode Backlight MTBF         256 K or above 256 K	-		
Memory   Supports up to 1 GB DDR SDRAM SODIMM (Standard is built-in 256 MB SDRAM)		CPU	
SSD   Supports 1 x internal CompactFlash Type II socket   HDD   1 x IDE HDD interface (2.5' HDD bay)   FDD   Supports 720 KB f 7.144 MB FDD   Processor System   CD-ROM Drive   Compact 24X or above   DVD-ROM Drive   Optional 5X or above   Pront 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 lb)   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)   Durability (Touch Lifetime)   35 million   Durability (Touch Lifetime)   35 million   Power Supply   Power Supply   Input Voltage   24 VDC (Typical)   Output Voltage   5 V @ 12 A, 24 V @ 0.3 A   Adaptor   Operating Temperature   0 - 45° C (32 - 113" F)   Environmental   Shock   10 G peak acceleration (11 msec. duration)   EMC   CE, FCC Class B   EMC   CE, FCC Class B    Specifications   CD-PRO   Compact File Proper   CE of Proper   DVISTOR   CONTROL   CE of Proper   DVISTOR   CP or CE or C		Memory	
HDD			
Processor System         CD-ROM Drive DVD-ROM Drive Network (LAN)         Compact 24X or above Optional 6X or above Network (LAN)           Network (LAN)         10/1008ass-E Tehernet interface (or Gigabit optional)           Bus Expansion         1 x 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 lb)           LCD Display         Display Type         15" FTF           Resolution         1024 x 768           Color         256 K or above           Color         256 K or above           Pixel Pitch         0.297 x 0.297 mm           Brightness         350 c/dm² (Typ.)           Viewing Angle         60° (lett), 50° (right), 40° (up), 60° (down)           Simultaneous Mode         Yes (Optional)           Backlight MTBF         50,000 hrs           Light Transmission         80%           Power Consumption         < 5 V @ 100 mA           Power Consumption         < 5 V @ 100 mA           Power Supply         Input Voltage         2 V DC (Typical)           Power Supply         Input Voltage         2 V DC (Typical)           Operating Temperature         0 ~ 45° C (32 ~ 113° F)		HDD	
DVD-ROM Drive   Network (LAN)   10/100Base-T Ethernet interface (or Gigabit optional)		FDD	Supports 720 KB / 1.44 MB FDD
Network (LAN)	Processor System	CD-ROM Drive	Compact 24X or above
Bus Expansion	· · · · · · · · · · · · · · · · · · ·	DVD-ROM Drive	Optional 6X or above
Bus Expansion		Network (LAN)	10/100Base-T Ethernet interface (or Gigabit optional)
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 lb)     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   450,000 hrs     Backlight MTBF   50,000 hrs     Type   Analog resistive, continuous resolution     Light Transmission   80%     Power Consumption   < 5 V @ 100 mA     Durability (Touch Lifetime)   35 million     Durability (Touch Lifetime)   35 million     Durability (Touch Lifetime)   24 VDC (Typical)     Output Voltage   24 VDC (Typical)     Output Voltage   5 V @ 12 A, 24 V @ 0.3 A     Adaptor   100 VAC ~ 240 VAC to 19 V @ 3.79 A     Power Specifications   26 MCC   400 C, non-condensing     Belative Humidity   10 ~ 95% @ 40° c, non-condensing     Environmental   5hock   16 G peak acceleration (11 msec. duration)     EMC   CE, FCC Class B		Bus Expansion	
Display Type		Front Panel Protection	IP 65/NEMA 4 compliant
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     Type   Analog resistive, continuous resolution     Light Transmission   80%     Power Consumption   < 5 V @ 100 mA     Durability (Touch Lifetime)   35 million     Durability (Touch Lifetime)   35 million     Output Voltage   24 VDC (Typical)     Output Voltage   24 VDC (Typical)     Output Voltage   5 V @ 12 A, 24 V @ 0.3 A     Adaptor   100 VAC - 240 VAC to 19 V @ 3.79 A     Pervironmental   Specifications   EMC   EMC   CE, FCC Class B     Environmental   Shock   10 G peak acceleration (11 msec. duration)     EMC   CE, FCC Class B		Dimensions (W x H x D)	375 x 299 x 49 mm (14.76" x 11.77" x 1.93")
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     Type   Analog resistive, continuous resolution     Power Consumption   5 V @ 100 mA     Durability (Touch Lifetime)   35 million     Power Supply   Input Voltage   24 VDC (Typical)     Output Voltage   24 VDC (Typical)     Output Voltage   5 V @ 12 A, 24 V @ 0.3 A     Adaptor   100 VAC ~ 240 VAC to 19 V @ 3.79 A     Relative Humidity   10 ~ 95% @ 40° C, non-condensing     Specifications   EMC   EMC   EFCC Class B     Environmental   Specifications   EMC   EFCC Class B     Second   100 VAC ~ 100 VAC & C (Last B)     Color			
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     Type   Analog resistive, continuous resolution     Light Transmission   80%     Power Consumption   < 5 V @ 100 mA     Durability (Touch Lifetime)   35 million     Power Supply   Input Voltage   24 VDC (Typical)     Adaptor   100 VAC ~ 240 VAC to 19 V @ 3.79 A     Light Transmission   0 VAC ~ 240 VAC to 19 V @ 3.79 A     Relative Humidity   10 ~ 95% @ 40° C, non-condensing     Shock   10 G peak acceleration (11 msec. duration)     Emvironmental   Shock   EMC   CE, FCC Class B		Display Type	15" TFT
LCD Display         Pixel Pitch Brightness Brightness 350 cd/m² (Typ.)           Viewing Angle Simultaneous Mode Simultaneous Mode Backlight MTBF 50,000 hrs         Yes (Optional)           Touchscreen (Optional)         Type Analog resistive, continuous resolution           Light Transmission Power Consumption Power Consumption Variability (Touch Lifetime)         35 willion Manual Drability (Touch Lifetime)           Power Supply Pow		Resolution	1024 x 768
Brightness 350 cd/m² (Typ.) Viewing Angle 60° (left), 60° (right), 40° (up), 60° (down) Simultaneous Mode Yes (Optional) Backlight MTBF 50,000 hrs  Type Analog resistive, continuous resolution Light Transmission 80% Power Consumption <5 V @ 100 mA Durability (Touch Lifetime) 35 million  Output Rating Onboard DC/DC ATX type power supply 70 W Input Voltage 24 VDC (Typical) Input Voltage 5 V @ 12 A, 24 V @ 0.3 A Adaptor 100 VAC ~ 240 VAC to 19 V @ 3.79 A  Operating Temperature 0 ~ 45° C (32 ~ 113° F) Relative Humidity 10 ~ 95% @ 40° C, non-condensing Specifications  Brightness 350 cd/m² (Typ.) Solow (Input Voltage 25 V @ 100 mA Durability (Transmission 80% Power Supply 70 W Durability (Touch Lifetime) 35 million D		Color	256 K or above
Viewing Angle 60° (left), 60° (right), 40° (up), 60° (down)  Simultaneous Mode Yes (Optional) Backlight MTBF 50,000 hrs  Type Analog resistive, continuous resolution Light Transmission 80% Power Consumption <5 V @ 100 mA Durability (Touch Lifetime) 35 million  Output Rating Onboard DC/DC ATX type power supply 70 W Input Voltage 24 VDC (Typical) Output Voltage 5 V @ 12 A, 24 V @ 0.3 A Adaptor 100 VAC ~240 VAC to 19 V @ 3.79 A  Operating Temperature 0 ~ 45° C (32 ~ 113° F) Relative Humidity 10 ~ 95% @ 40° C, non-condensing Specifications  Environmental Specifications  Brightness 350 C0/fm² (typ.) Fee (Optional) Fee	I CD Dioplay	Pixel Pitch	0.297 x 0.297 mm
Simultaneous Mode Backlight MTBF 50,000 hrs  Touchscreen (Optional)  Touchscreen (Optional)  Power Consumption	LCD Display	Brightness	350 cd/m <sup>2</sup> (Typ.)
Backlight MTBF 50,000 hrs  Type Analog resistive, continuous resolution Light Transmission 80% Power Consumption <5 V @ 100 mA Durability (Touch Lifetime) 35 million  Output Rating Onboard DC/DC ATX type power supply 70 W Input Voltage 24 VDC (Typical) Output Voltage 5 V @ 12 A, 24 V @ 0.3 A Adaptor 100 VAC ~ 240 VAC to 19 V @ 3.79 A  Operating Temperature 0 ~ 45° C (32 ~ 113° F) Relative Humidity 10 ~ 95% @ 40° C, non-condensing Specifications  Environmental Shock 10 G peak acceleration (11 msec. duration) EMC CE, FCC Class B		Viewing Angle	60° (left), 60° (right), 40° (up), 60° (down)
Touchscreen (Optional)    Touchscreen (Optional)   Light Transmission   80%		Simultaneous Mode	Yes (Optional)
Touchscreen (Optional)         Light Transmission Power Consumption Power Consumption         4 5 V @ 100 mA           Power Supply         Output Rating Onboard DC/DC ATX type power supply 70 W           Input Voltage         24 VDC (Typical)           Output Voltage         5 V @ 12 A, 24 V @ 0.3 A           Adaptor         100 VAC ~ 240 VAC to 19 V @ 3.79 A           Environmental Specifications         Shock           5 Nock         10 G peak acceleration (11 msec. duration)           EMC         CE, FCC Class B		Backlight MTBF	
Power Consumption < 5 V @ 100 mA Durability (Touch Lifetime) 35 million  Output Rating Onboard DC/DC ATX type power supply 70 W  Input Voltage 24 VDC (Typical) Output Voltage 5 V @ 12 A, 24 V @ 0.3 A Adaptor 100 VAC ~ 240 VAC to 19 V @ 3.79 A  Operating Temperature 0 ~ 45° C (32 ~ 113° F) Relative Humidity 10 ~ 95% @ 40° C, non-condensing Specifications Shock 10 G peak acceleration (11 msec. duration) EMC CE, FCC Class B	Touchscreen (Optional)		Analog resistive, continuous resolution
Power Consumption			80%
Power Supply         Output Rating         Onboard DC/DC ATX type power supply 70 W           Input Voltage         24 VDC (Typical)           Output Voltage         5 V @ 12 A, 24 V @ 0.3 A           Adaptor         100 VAC ~ 240 VAC to 19 V @ 3.79 A           Operating Temperature         0 ~ 45° C (32 ~ 113° F)           Relative Humidity         10 ~ 95% @ 40° C, non-condensing           Specifications         Shock         10 G peak acceleration (11 msec. duration)           EMC         CE, FCC Class B			
Power Supply         Input Voltage Output Voltage         24 VDC (Typical)           Output Voltage Adaptor         5 V @ 12 A, 24 V @ 0.3 A           Input Voltage Adaptor         100 VAC ~ 240 VAC to 19 V @ 3.79 A           Input Voltage Output Voltage Adaptor         0 ~ 45° C (32 ~ 113° F)           Environmental Specifications         10 ~ 95% @ 40° C, non-condensing           Shock Specifications         10 G peak acceleration (11 msec. duration)           EMC         CE, FCC Class B			
Power Supply Output Voltage 5 V @ 12 Å, 24 V @ 0.3 A Adaptor 100 VAC ~ 240 VAC to 19 V @ 3.79 A  Operating Temperature 0 ~ 45° C (32 ~ 113° F)  Relative Humidity 10 ~ 95% @ 40° C, non-condensing Specifications Shock 10 G peak acceleration (11 msec. duration) EMC CE, FCC Class B	Power Supply		
Adaptor		Input Voltage	
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		1 0	,
Environmental Specifications  Relative Humidity 10 ~ 95% @ 40° C, non-condensing Shock 10 G peak acceleration (11 msec. duration)  EMC CE, FCC Class B		2.5 (2.5)	
Specifications  Shock 10 G peak acceleration (11 msec. duration) EMC CE, FCC Class B	Environmental Specifications		
Specifications  Snock 10 G peak acceleration (11 msec. duration) EMC  CE, FCC Class B			
EIVIC CE, FCC CIASS B			
Safety UL, CE, CB			- ,
		Safety	UL, CE, CB

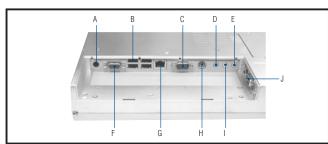


## **Ordering Information**

Part No.	Description
PPC-S154T-080-XE	Bare BOM of PPC-S154T-080-XE equipped with built-in P4-M 1.7GHz Intel CPU, 256MB SDRAM and tempered glass
PPC-S154T-R80-XE	Bare BOM of PPC-S154T-R80-XE
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-A03	VESA standard ARM for PPC series
1700001524	POWER CABLE 3P/3P POWER SUPPLY 1.8M FPM-306

<sup>\*</sup> P4-M 1.7 GHz CPU and 256 MB DDR are built-in

# 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

## **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 dimensions 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 flexible installations, such as wall mounting, hanging, swingarm 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 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 PPCS154T can offer connections with CF type storage. And with a built-in Type III Mini PCI expansion slot, the PPC-S154T can expansively offer connections with Type III Mini PCI, 56 K modem, second Ethernet, or WLAN card to enhance networking capability.