PPC-L156T

15" Panel PC with Pentium® M/ **Celeron® M Processor**



All Taxa

Features

- 15" TFT XGA LCD
- Embedded Intel® ULV Celeron® M 600 MHz / Pentium® M 1.1 GHz .
- Support for up to 1 GB Double Data Rate (DDR) memory
- Built-in 1 W x 2 speakers
- One MiniPCI slot, one CF module slot, and one 32-bit PCI slot (optional)
- Fanless and ultra-low power consumption
- Automatic data flow control over RS-485 •
- 10/100Base-T or Gigabit Ethernet with boot on LAN
- Removable front bezel .
- Optional Smart Battery Module with UPS functionality
- Wireless antenna (optional)









Panel PCs

Introduction

The PPC-L156T is a 15" inch panel computer designed without a fan, which makes idea solution for low noise operating environments and clean room applications.PPC-L156T has two power sources; an optional battery pack and AC power supply. The battery charges when the PPC-L156T is connected to the AC power adapter. The optional rechargeable battery pack has more than 60 minutes battery life and can be used as an UPS during expected loss of power. The PPC-L156T meets the VESA standard for mounting holes so it can be used in many different kinds of installations. The front bezel can be removed to make maintenance of the LCD and touch screen easier and quicker.

Specifications

- CPU	Embedded Intel ULV Celeron M 600 MHz Embedded Intel Pentium M 1.1GHz
Secondary Cache	N/A (PPC-L156T-R80-X) / 1 MB (PPC-L156T-R81-X)
 Chipset 	Intel 852GM / ICH4 (PPC-L156T-R80-X) Intel 855GME / ICH4 (PPC-L156T-R81-X)
 Memory 	2 x 200 pin SO-DIMM sockets, supporting DDR200/266 modules for up to 1 GB Standard is built-in 256 MB
BIOS	AWARD 4 Mbit Flash BIOS
SSD	Supports CompactFlash Card Type I/II
• HDD	One internal 2.5" IDE interface
 I/O Ports Bus Expansion 	 3 serial ports: RS-232 x 2, RS-232/422/485 x 1 4 USB 2.0 ports: 2 external, 2 internal 1 PS/2 mouse and keyboard port 1 VGA port, 1 Parallel port 2 built-in speakers (1 W each) 2 PCMCIA ports Line-in, Line-out & Mic-in port One MiniPCI socket and one 32-bit PCI slot) 415 x 333 x 76.5 (16.3" x 13.1" x 3.0") 7 kg Optional DVD / CD-RW 8D / 24W / 24E / 24R or above
Ethernet	
 Chipset 	Intel 82551QM, and 82541GI
 Speed 	10/100 Mbps; 10/100/1000 Mbps (optional)
Power Supply	
 DC to DC Converter AC to DC Converter 	Input voltage: 18 ~ 25 V _{DC} - Input Voltage: 100 ~ 240 V _{AC} @ 50 ~ 60 Hz - Output Voltage: 19 V @ 3.16 A

LCD Display Display Type

- Max. Resolution
- Max. Colors Dot Size(mm)
- Luminance (cd/m²)
- Viewing Angle 60° (left), 60° (right), 40° (up), 60° (down)
- Operating Temperature 0 ~ 50° C
- Brightness Adjustment Yes
- Backlight Lifetime

Touchscreen (Optional)

Турез	Analog Resistive	Capacitive	Infrared
Resolution	Continuous	1024 x 1024	4096 x 4096
Light Transmission	80%	91%	91%
Controller	RS-232 Interface (uses COM4)		
Power Consumption	+5 V @ 200 mA	+5 V @ 100 mA	+5 V @ 100 mA
Software Driver	Supports both DOS and Windows		
Durability (Touches lifetime)	35 million	20 million	100,000 hrs

Environmental Specifications

- Operating Temperature 0 ~ 45° C (32 ~ 113° F)
- Relative Humidity 10 ~ 95% @ 40° C. non-condensing
- Shock 10 G peak acceleration (11 ms duration)
- Vibration 1 G
- EMC CE, FCC Class B
- Safety CE. UL. CB
- Front Panel Protection IP65/NEMA4 compliant
 - AD\ANTECH





- 262 k

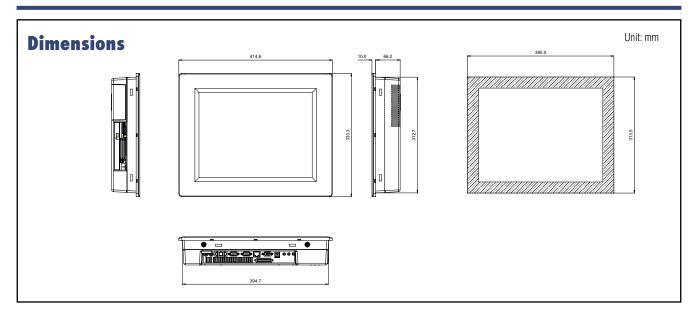
Online Download www.advantech.com/products

- 0.297 x 0.297
- 350 cd/m²

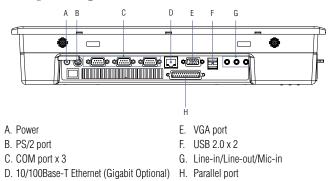
- 50,000 hours



PPC-L156T



Fully Integrated I/O



Ordering Information

PPC-L156T-R80-X	Intel® ULV Celeron® M 600 MHz processor-based
	Fanless Panel Computer with 15" TFT LCD, Resistive
	Touch screen
PPC-L156T-R81-X	Intel® Pentium® M 1.1 GHz processor-based Fanless
	Panel Computer with TFT 15" LCD, Resistive Touch
	screen
PPC-L156T-C80-X	Intel® ULV Celeron® M 600 MHz processor-based
	Fanless Panel Computer with TFT 15" LCD, Capacitive
	Touch screen
PPC-L156T-C81-X	Intel® Pentium® M 1.1 GHz processor-based Fanless
	Panel Computer with TFT 15" LCD, Capacitive Touch
	screen
PPC-L156T-V80-X	Intel® ULV Celeron® M 600 MHz processor-based
	Fanless Panel Computer with TFT 15" LCD, vandal
	proof infrared touchscreen (meets 60950/UL1950)
PPC-L156T-V81-X	Intel® Pentium® M 1.1 GHz processor-based Fanless
	Panel Computer with TFT 15" LCD, vandal proof
	infrared touchscreen (meets 60950/UL1950)
PPC-S15X Stand-BLK	Desktop Stand, Black, PPC-S15X
PPC-ARM-A01	VESA Standard ARM for PPC series
PPC-L126 BP	Rechargeable Li-ion 3S2P 11.1 V 4000 mAh battery
	pack
PPC-174 WL-MT	Wall mount kit for PPC-174T

Feature Details

Protection

To meet the requirements of a public environment, the front panel of PPC-L156T complies with the IP65/NEMA4 protection standard. Furthermore, the watchdog timer and power management features make the system secure and stable. The onboard hardware monitoring feature provides automatic protection function, which prevents the CPU from becoming overheated.

Networking

Three serial ports and a 10/100Base-T Ethernet port (Gigabit optional) gives the PPC-L156T advanced networking capabilities, and provide a great solution for versatile applications.

Expansion

To extend functionality, the PPC-L156T is designed with one expansion slot for 32-bit PCI cards, one MiniPCI socket, four USB 2.0 (Univeral Serial Bus) ports, two RS-232 ports, one RS-232/422/485 port, one VGA port, and two PCMCIA CardBus ports. With these expansion capabilities, the PPC-L156T not only functions as a HMI, but also as a computing center to build your applications on.

Easy Maintenance

Maintaining and replacing the LCD and touchscreen are made easier through the PPC-L156T's modular design. In order to replace a defective LCD or touchscreen, one merely needs to remove the front cover and LCD bracket instead of disassembling the whole system.

Touchscreen Options

Customers can choose from three optional types of standardized touchscreens: resistive, capacitive and infrared. These options make the PPC-L156T a more user-friendly interface for different environments.