

PPC-L127T

Fanless Panel PC with 12.1" TFT LCD & Touchscreen and Intel® Celeron® M Processor

NEW



Features

- 12.1" TFT SVGA LCD
- Embedded Intel® ULV Celeron® M 1GHz
- System memory up to 1 GB SDRAM
- Supports six USB 2.0 ports
- One CompactFlash® Type II socket (True IDE Mode), one Mini PCI socket
- Optional one PCI/ISA expansion kit
- Optional Smart Battery Module with UPS functionality
- Windows CE, NET, XPE available
- 10/100Base-T Ethernet
- Removable front bezel
- Fanless and ultra-low power consumption
- Automatic data flow control over RS-485 (COM2)
- Support GPIO function

Introduction

The PPC-L127T is a panel computer designed without a fan, which makes it an ideal solution for low noise operating environments and clean room applications. PPC-L127T has two power sources; an optional battery pack and an AC power supply. The battery charges when the PPC-L127T is connected to the AC power adapter. The optional rechargeable battery pack has more than 60 minutes battery life and can be used as a UPS during unexpected loss of power. The smart battery indicates state of charge and the percentage of remaining power. PPC-L127T's ultra-low power consumption saves energy and maximizes battery life. PPC-L127T meets the VESA standard for mounting holes so that it can be used in many different kinds of installations. The front bezel can be removed to make maintenance of the LCD and touchscreen easier and quicker. The support for one CompactFlash disk also makes system maintenance more convenient.

Specifications

- **CPU** Embedded Intel ULV Celeron M 1.0 GHz
 - **Secondary Cache** N/A Cache
 - **Memory** 1 x 184-pin DIMM sockets, supporting DDR200/266 modules for up to 1 GB
 - **Combo drive** Optional DVD/CD-RW 8D/24W/24E/24R or above
 - **SSD** 1 x type II CompactFlash socket, built-in 64 MB CF card in PPC-L127T-CE-RTE.
 - **HDD** 1 x internal IDE interface, 2.5" type
 - **Network (LAN)** 10/100Base-T Ethernet
 - **Fully Integrated I/O and Speakers**
 - 4 x serial ports: RS-232 x 3, RS-232/422/485 x 1
 - 1 x parallel port
 - 6 x USB ports (4 x external, 2 x internal)
 - 1 x PS/2 mouse and keyboard
 - Mic-in, Line-in, Line-out
 - 1 x VGA port
 - 2 x 1.3 W speakers
 - 8-bit GPIO through COM3
 - **Bus Expansion** 1 x expansion slot for PCI/ISA card
1 x MINI PCI expansion slot
 - **Front Panel Protection** IP 65/NEMA 4 compliant
 - **Weight** 3.25 kg (7.151 lb)
 - **Dimensions (W x H x D)** 340.5 x 269.3 x 70.5 mm (13.41" x 10.6" x 2.78")
- Power supply**
- DC/DC converter**
- **Input Voltage** 12 V - 25 V, 4 A max
Optional 12- 32 V (without Battery function)

LCD Display

- **Display Type** 12.1" TFT LCD
- **Max. Resolution** 800 x 600
- **Colors** 262 K
- **Dot Size (mm)** 0.3075 x 0.3075
- **Viewing Angle** 70° (left), 70° (right), 60° (up), 50° (down)
- **Luminance** 400 cd/m²
- **Operating Temperature** 0 ~ 50° C
- **Brightness Control** Yes
- **Backlight Lifetime** 50,000 hours (min)

Touchscreen (Optional)

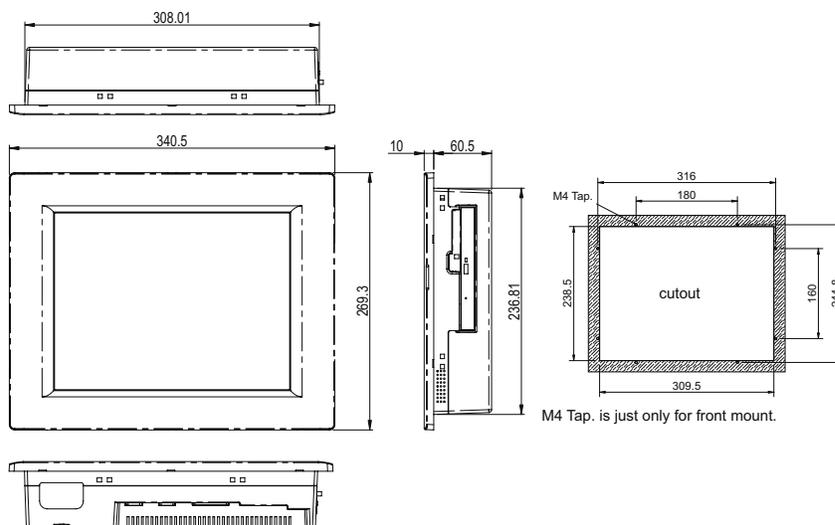
- **Type** Analog Resistive
- **Resolution** Continuous
- **Light Transmission** 80%
- **Controller** USB interface
- **Power Consumption** < 5 V @ 100 mA
- **Software Driver** Supports Windows NT/98/2000/ME/XP
- **Durability (touches in a lifetime)** 35 million

Environmental Specifications

- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C
- **Relative Humidity** 10 ~ 95% @ 40° C (non-condensing)
- **Shock** 10 G peak acceleration (11 msec. duration)
- **EMC** BSMI, CE, FCC Class B
- **Safety** CB, CCC, BSMI, UL
- **Vibration** 1 G

Dimensions

Unit: mm (inch)



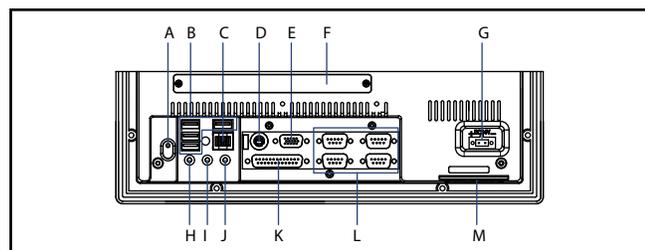
Ordering Information

Part No.	Description
PPC-L127T-080-XE	Intel ULV Celeron M 1GHz processor-based Fanless Panel Computer with 12.1" TFT LCD
PPC-L127T-R80-XE	PPC-L127T-080 with Resistive Touch screen
PPC-L127T-CE-RTE	PPC-L127T with Windows CE .NET 5.0 on 128 MB CompactFlash

Accessories

Part No.	Description
PPC-EXP-L127E	PCI/ISA Expansion kit for PPC-L127T
PPC-L126-BP	Rechargeable Li-ion 3S2P 11.1 V 4000 mAh battery pack
PPC-L126 WL-MT	Wall Mount Kit for PPC-L126T
PPC-L126 STAND	Desktop Stand for PPC-L126T
PPC-ARM-A01	VESA standard ARM for PPC series
PPC-L126Rack-MT	19" Rack Mounting Kit for PPC-L126

Fully-Integrated I/O



- A. Main power switch
- B. USB 2.0 x 4
- C. Ethernet jack
- D. PS/2 mouse and keyboard
- E. VGA port
- F. PCI/ISA expansion slot cover
- G. DC inlet
- H. Line-in jack
- I. Line-out jack
- J. Mic-in jack
- K. Parallel port
- L. Serial ports
- M. Battery door cover

