

PPC-L127T

12.1" Fanless Panel PC with
Intel® Celeron® M Processor



Features

- 12.1" TFT SVGA LCD with optional resistive touchscreen
- Embedded Intel® ULV Celeron® M 1 GHz
- System memory up to 1 GB DDR
- 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
- Window® CE 6.0 and XPE available
- 10/100Base-T Ethernet
- Removable front bezel
- Fanless and ultra-low power consumption
- Automatic data flow control over RS-485 (COM2)
- Supports GPIO function (optional)

Introduction

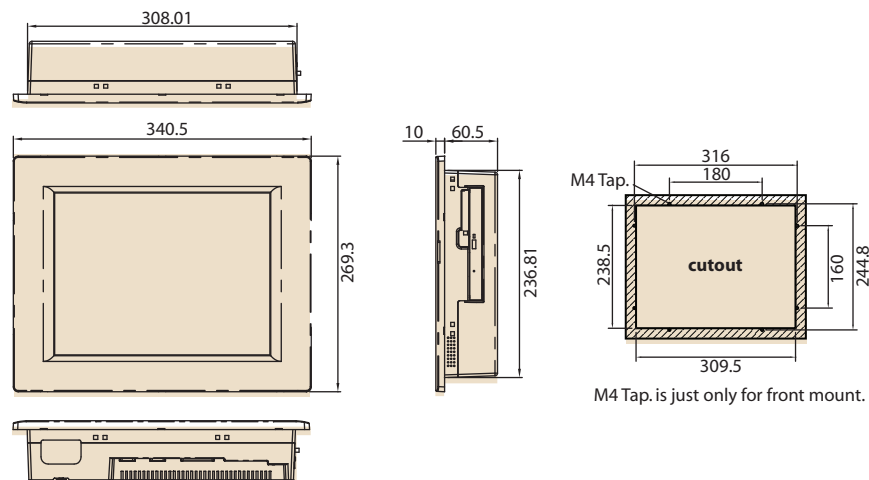
The PPC-L127T is a panel computer designed without a fan, which makes it an ideal solution for low noise operating environments and clean room applications. PPC-L127T has two power sources; an optional battery pack and an optional AC power supply. The battery charges when the PPC-L127T is connected to 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

| | | | |
|-----------------------------|--|--|--|
| Processor System | 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 989KL12710E | |
| | SSD | 1 x type II CompactFlash socket, built-in 128 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 | | | |
| Bus Expansion | - 1 x VGA port | | |
| | - 2 x 1.3 W speakers | | |
| | - 8 bit GPIO through COM3 (Optional) | | |
| Front Panel Protection | 1 x expansion slot for PCI/ISA card | | |
| Weight | 1 x MINI PCI expansion slot | | |
| Dimensions (W x H x D) | IP 65/NEMA 4 compliant | | |
| OS Support | 3.25 kg (7.151 lb) | | |
| Supply | 340.5 x 269.3 x 70.5 mm (13.41" x 10.6" x 2.78") | | |
| LCD Display | Input Voltage | Microsoft Windows XPE, CE, XP pro, 2000 | |
| | Display Type | 12 - 25 V _{DC} , 4.5 A max Optional 12- 32 V _{DC} (without Battery function) | |
| | Max. Resolution | 12.1" TFT LCD | |
| | Colors | 800 x 600 , Optional 1024 x 768 | |
| | Dot Size (mm) | 262 K | |
| | Viewing Angle | 0.3075 x 0.3075 | |
| | Luminance | 70° (left), 70° (right), 60° (up), 50° (down) | |
| | Operating Temperature | 400 cd/m ² | |
| | Brightness Control | -10 ~ 65° C (14 ~ 149° F) | |
| | Backlight Lifetime | Yes | |
| Touchscreen (Optional) | Type | 50,000 hours (min) | |
| | Resolution | Analog Resistive (5 wires) (Resistive with Sunlight Readable as option) | |
| | Light Transmission | Continuous | |
| | Controller | 80% | |
| | Power Consumption | USB interface | |
| | Software Driver | < 5 V @ 60 mA | |
| | Durability (Touches) | Supports Windows NT/98/2000/ME/XP | |
| | | 35 million | |

Dimensions

Unit: mm (inches)



Specifications

| | | |
|------------------------------|-----------------------|--|
| 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 |

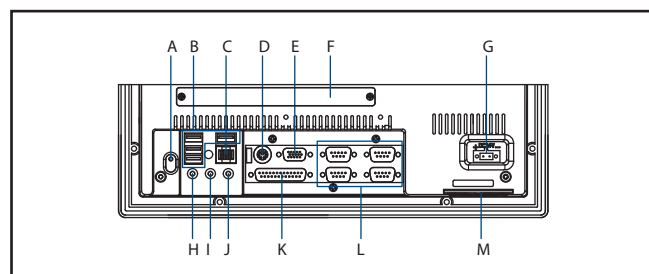
Ordering Information

| 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 6.0 on 128 MB CompactFlash |

Accessories

| Part No. | Description |
|-----------------|---|
| PPC-EXP-L127E | PCI/ISA Expansion kit for PPC-L127T |
| PPC-BP-LTC4006E | Smart Li-ion 3S2P 11.1V 4400mAh-LTC4006/ L127 |
| PPC-L126 WL-MT | Wall Mount Kit for PPC-L126T |
| PPC-ARM-A03 | VESA standard ARM for PPC series |
| PPC-L126Rack-MT | 19" Rack Mounting Kit for PPC-L126 |
| PS-DC19-L60 | 19V DC power adapter module for PPC-L60/L127 |
| 989KL12710E | Combo ASS'Y Kit for PPC-L127T |
| 989KL12711E | CD-ROM ASS'Y Kit for PPC-L127T |
| 989KL12709E | Wireless LAN Module for PPC-L127T |
| 1700001524 | POWER CABLE 3P/3P POWER SUPPLY 1.8M FPM-306 |

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

