

PPC-L126T

VIA C3™ Eden based Fanless Panel PC with 12.1" TFT LCD Display



Features

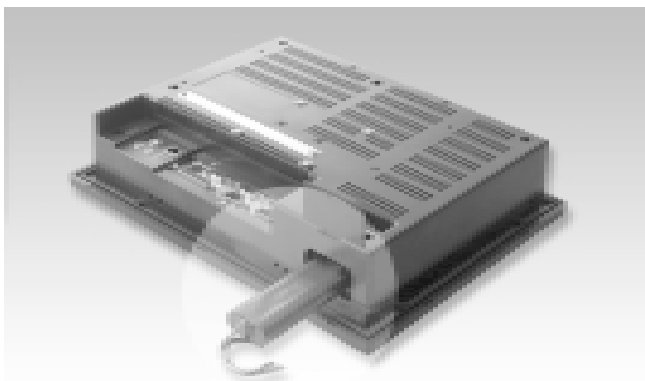
- 12.1" TFT SVGA LCD
- VIA Eden 667 MHz CPU on board
- System memory up to 1 GB SDRAM
- Built-in CD-ROM drive / speakers
- One CompactFlash™ Type II socket (True IDE Mode)
- One Mini PCI socket
- Optional one PCI/ISA expansion kit
- Optional Smart Battery Module with UPS functionality
- Windows® CE .NET available
- 10/100 Base-T Ethernet
- Removable front bezel
- Fanless and ultra-low power consumption

Introduction

The PPC-L126 is a fanless designed panel computer that makes it an ideal solution for low noise operating environments and clean room applications.

PPC-L126 has two power sources; an optional battery pack and AC power supply. The battery charges when the PPC-L126 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 function during unexpected loss of power. This smart battery indicates state of charge and percentage of remaining power. PPC-L126 ultra-low power consumption saves energy costs and maximizes battery life.

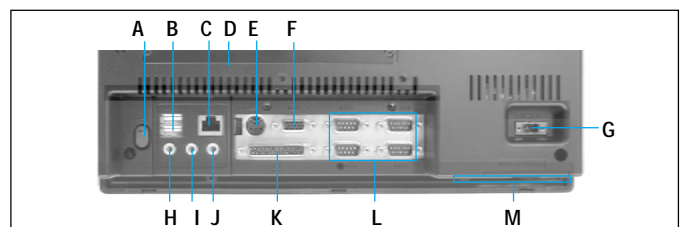
PPC-L126 meets the VESA standard for mounting holes that is very flexible and able to be used in many different kinds of installations. The front bezel is removable to make LCD and touchscreen maintenance easier and quicker. The PPC-L126 supports one plug in/out CompactFlash disk that makes system maintenance more convenient.



Specifications

- **CPU:** Onboard VIA C3™ Eden 667 MHz or above
- **System memory:** Two 168-pin DIMM sockets up to 1 GB SDRAM
- **CD-ROM drive:** One built-in drive, 24X or above (CD-ROM drive is option in PPC-L126T-CE-RT)
- **SSD:** one type II CompactFlash™ socket
- **HDD:** one internal IDE interface, 2.5" type
- **Network (LAN):** 10/100 Based-T Ethernet
- **Fully integrated I/O and speakers:**
 - 4 serial ports: RS232 x 3, RS-232/422/485 x 1
 - 1 parallel port
 - 2 USB ports
 - 1 PS/2 mouse and keyboard
 - Mic-in, Line-in, Line-out
 - 1 VGA port
 - 1.3 W speakers x 2
- **Bus expansion:** One expansion slot for PCI/ISA card
One MINI PCI expansion slot (optional)
- **Front panel protection:** IP 65/NEMA 4 compliant
- **Weight:** 3.25 kg (7.151 lbs)
- **Dimensions (W x H x D):** 340.5 x 269.3 x 70.5 mm (13.41" x 10.6" x 2.78")

Fully-Integrated I/O



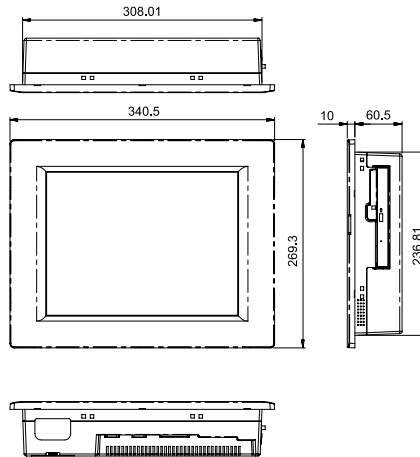
- | | |
|---------------------------------|-----------------------|
| A. Main power switch | H. Line in jack |
| B. USB port | I. Line out jack |
| C. Ethernet jack | J. Microphone in jack |
| D. PCI/ISA expansion slot cover | K. Parallel port |
| E. PS/2 mouse and keyboard | L. Serial ports |
| F. VGA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



General Purpose Panel Computers

Note: All specifications are subject to change without notice.

Dimensions



Unit: mm

Power supply

DC/DC converter

- **Input voltage:** 18 V_{DC} ~ 25 V_{DC}, 3.5 A max.
- **Output voltage:** +5 V @ 6 A, +3.3 V @ 6 A, +12 V @ 2 A, -12 V @ 0.5 A, -5 V @ 0.5 A, 5 VSB @ 1 A

Power Adaptor

AC/DC converter

- **Input voltage:** 100 V_{AC} ~ 240 V_{AC}
- **Output voltage:** 19 V @ 3.79 A

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:** 90° (min)
- **Luminance:** 200 cd/m²
- **Temperature:** 0 ~ 50° C
- **VR control:** Brightness
- **LCD MTBF:** 50,000 hours
- **Backlight lifetime:** 20,000 hours(min)

Touchscreen (Optional)

| | |
|------------------------------------|----------------------------------|
| Type | Analog Resistive |
| Resolution | Continuous |
| Light Transmission | 75% |
| Controller | RS232 interface (Use COM4) |
| Power consumption | <5v@100 mA |
| Software Driver | Support Windows NT/98/2000/ME/XP |
| Durability (touches in a lifetime) | 100 million |

Environmental Specifications

- **Operating temperature:** 0 to 40 °C (32 to 104 °F)
- **Storage temperature:** -20° ~ 60° C
- **Relative humidity:** 10 ~ 95 % @ 40 °C (non-condensing)
- **Shock:** 10 G peak acceleration (11 msec. duration)
- **EMC:** BSMI, VCCI, CE, FCC Class B
- **Safety:** UL, CE, CB
- **Vibration:** 1 G

Ordering Information

- PPC-L126T-070**
Bare BOM: PPC-L126T-070-X
VIA Eden 667 MHz processor-based fanless panel computer with 12.1" TFT LCD
- PPC-L126T-R70**
Bare BOM: PPC-L126T-R70-X
PPC-L126T-070 with resistive touch screen
- PPC-L126T-CE-RT:**
PPC-L126T with Windows® CE.NET (English) on 64 MB CFC
(Slim-type CD-ROM device is available by OEM request in PPC-L126T-CE-RT)

Optional Items

- PPC-EXP-L126:** PCI/ISA Expansion kit for PPC-L126
- PPC-L126-BP:** Rechargeable Li-ion 3S2P 11.1 V 4000 mAh battery pack
- PPC-L126 WL-MT:** Wall Mount Kit for PPC-L126
- PPC-L126 STAND:** Desktop Stand for PPC-L126
- PPC-ARM-A01:** VESA standard ARM for PPC series.