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)
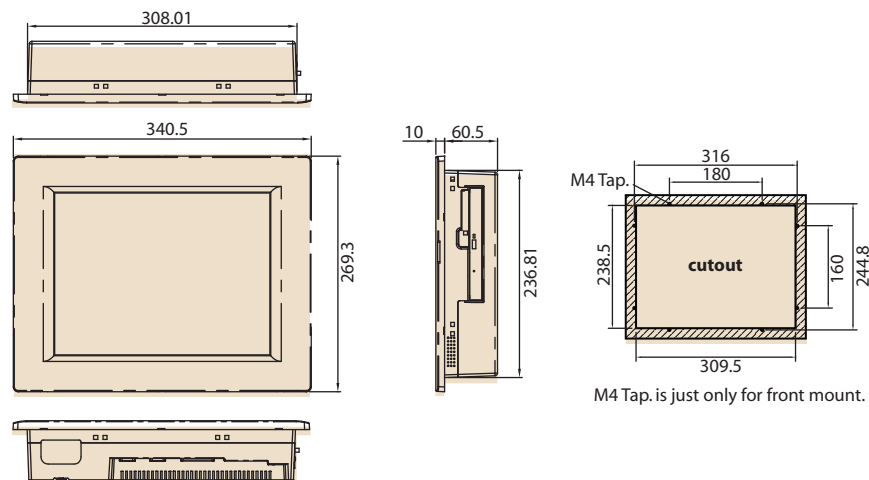
Introduction

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 - 1 x VGA port - 2 x 1.3 W speakers - 8 bilt GPIO through COM3 (Optional)
	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")
OS Support		Microsoft Windows XPE, CE, XP pro, 2000
Supply	Input Voltage	12 - 25 V$_{DC}$, 4.5 A max Optional 12- 32 V$_{DC}$ (without Battery function)
LCD Display	Display Type	12.1" TFT LCD
	Max. Resolution	800 x 600 , Optional 1024 x 768
	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	-10 ~ 65° C (14 ~ 149° F)
	Brightness Control	Yes
	Backlight Lifetime	50,000 hours (min)
Touchscreen (Optional)	Type	Analog Resistive (5 wires) (Resistive with Sunlight Readable as option)
	Resolution	Continuous
	Light Transmission	80%
	Controller	USB interface
	Power Consumption	< 5 V @ 60 mA
	Software Driver	Supports Windows NT/98/2000/ME/XP
	Durability (Touches)	35 million

ADVANTECH **Panel PCs**

Dimensions

Unit: mm (inches)

308.01

340.5

269.3

10 60.5

236.81

M4 Tap.

316
180

238.5

cutout

160

244.8

309.5

M4 Tap. is just only for front mount.

Computer On Modules	1
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Specifications

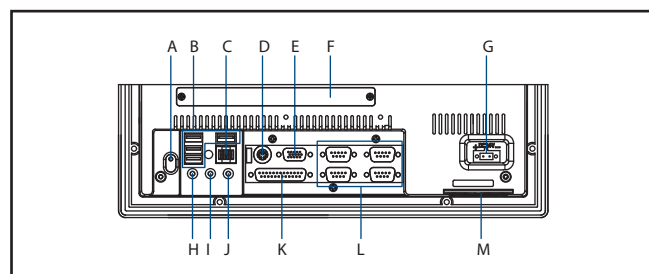| Environmental Specifications	Operating Temperature	0 ~ 50° C (32 ~ 122° F)
	Storage Temperature	-20 ~ 60° C
	Relative Humidity	10 ~ 95% @ 40° C (non-condensing)
	Shock	10 G peak acceleration (11 msec. duration)
	EMC	BSMI, CE, FCC Class B
	Safety	CB, CCC, BSMI, UL
	Vibration	1 G

Ordering Information

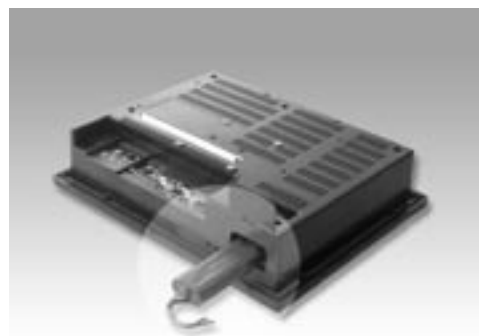| Part No.	Description
PPC-L127T-080-XE	Intel ULV Celeron M 1GHz processor-based Fanless Panel Computer with 12.1" TFT LCD
PPC-L127T-R80-XE	PPC-L127T-080 with Resistive Touch screen
PPC-L127T-CE-RTE	PPC-L127T with Windows CE.Net 6.0 on 128 MB CompactFlash

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