

PPC-L128T

12.1" Fanless Panel PC with Intel® Atom™ N270 Processor

NEW



Features

- 12.1" TFT XGA LCD with optional resistive touchscreen
- Embedded Intel® Atom™ processor N270 1.6 GHz
- System memory up to 2 GB DDR2 SDRAM
- Supports one internal SATA 2.5" HDD
- Support six USB 2.0 ports (4 external/ 2 internal), Dual Gigabit Ethernet
- Optional PCI/PCIe x 1 expansion kit
- Fanless and ultra-low power consumption
- Optional smart battery module
- Automatic data flow control over RS-485 (COM2)



Introduction

The PPC-L128T is 12.1" Fanless panel PC that delivers high performance while consuming low power. The PPC-L128T operates with low noise and provides display resolutions up to 1024 x 768 (XGA) pixels. The PPC-L128T is equipped with dual Gigabit Ethernet connectors supporting either failover or LAN teaming. Advantech's customization services and optional accessories including wireless modules, battery packs, and SATA optical devices, allow system integrators to design tailor-made solutions to a host of industrial applications. And PPC-L128T optionally supports a sunlight readable display, making it suitable for outdoor use.

Specifications

Processor System	CPU	Intel® Atom™ Processor N270 1.6 GHz
	CPU Front Side Bus	533 MHz
	Chipset	Intel 945GSE + Intel ICH7M
	Secondary Cache	512 KB L2 Cache
	Memory	200-pin DDR2 533 SODIMM x1 Up to 2 GB
	Combo Drive	Optional (989KL12801E)
	SSD	Supports one CompactFlash Type II, socket
	HDD	One internal SATA interface- 2.5" Type
	Network (LAN)	2 x 10/100/1000 Mbps (RJ-45)
	Fully Integrated I/O and Speakers	3 Serial Ports: RS-232 x 2, RS-232/422/485 x 1; 1 GPIO port 1 VGA Port ; PS/2 Mouse and Keyboard Line-in/ Line-out/ Mic-in Built-in 1W x 2 speakers, USB 2.0 ports x 4
OS Support	Bus Expansion	1 x expansion slot for PCI/PCIe card 1 x MINI PCIe slot
	Front Panel Protection	IP65/ NEMA 4 compliant
	Weight	3.63 kg (7.98 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	OS Support	Microsoft Windows XPE/XP Pro, Vista
LCD Display	Power Supply	12 ~24 Vdc, 15-24 V _{DC} with battery pack
	Display Type	12.1" Color TFT LCD
	Max. Resolution	1024 x 768
	Colors	262 K
	Pixel Pitch (mm)	0.240 x 0.240
	Viewing Angle	160°/160°
	Luminance (cd/m ²)	450
	Brightness Control	Yes (by BIOS)
Touchscreen (optional)	Backlight Lifetime	50,000 hours
	Type	Analog Resistive 5 wires (ELO)
	Resolution	Continuous
	Light Transmission	80 %
	Controller	USB Interface
Environmental Specifications	Durability (Touches)	35 million
	Operating Temperature	0-45° C (32-113° F); 0-35° C with battery pack
	Relative Humidity	10 ~ 95 % @ 40° C, non-condensing
	Shock	10 G peak acceleration (11ms duration)
	Vibration	1 G
	EMC	CE, FCC Class B, BSMI
	Safety	CE CB, UL, BSMI, CCC , VCCI

Technical drawings of the M4 Tap. showing dimensions in millimeters (mm):

- Top View:** Overall width 308.01 mm, overall height 340.5 mm, and a central square cutout with a side length of 269.3 mm.
- Side View:** Total height 236.81 mm, with a top flange thickness of 10 mm and a main body height of 60.5 mm.
- Front View:** Overall width 309.5 mm, overall height 244.8 mm, and a central square cutout with a side length of 180 mm. The top flange has a thickness of 316 mm. The side view of the cutout is 160 mm.

M4 Tap. is only for front mount.

Part NO	Description
PPC-L128T-080-XE	Intel Atom processor N270 1.6 GHz fanless panel PC with 12.1" TFT LCD
PPC-L128T-R80-XE	PPC-L128T-080-XE with resistive touchscreen
PPC-L128T-R80-WXE	PPC-L128T-080-XE with resistive touchscreen (White)
PPC-L128T-RXPE0E	PPC-L128T w/IG Memory/ Windows XPE XPE on 160G HDD
PPC-ARM-A03	VESA Stand ARM for PPC series
PPC-174T WL-MT	Wall mount kit for PPC-174T
PPC-L126 STAND	Stand desktop stand for PPC-L126T/PPC-L127T
PPC-L126Rack-MT	19" Rack mounting kit for PPC-L126/ PPC-L127 /L128
PPC-L128-EXPE	PCI/PCle expansion kit for PPC-L128
PS-DC19-L157E	19V DC power adapter module for PPC-L128/PPC-L157
1760000837	Smart Li-ion 3S2P 11.1V 4400 mAh -LTC4006/L127
170001524	Power cord 3P UL 10A 125V 1.8M
989KL128T00E	Slim type DVD-RW Module for PPC-L128
989KL128T01E	Slim type Combo Module for PPC-L128
989KL128T02E	Wireless LAN Module for PPC-L128

The diagram shows the rear panel of the HP Z2 Mini G4 with the following components labeled:

- A. Main power switch
- B. USB 2.0 x 3
- C. Ethernet jack
- D. USB 2.0
- E. PS/2 mouse and keyboard
- F. PCI/PCIe expansion slot cover
- G. GPIO port
- H. DC inlet
- I. Line-in jack
- J. Line-out jack
- K. Mic-in jack
- L. Ethernet jack
- M. VGA port
- N. Serial ports
- O. Battery door cover

