PPC-L157T

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



Features

- 15" 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
- Supports 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-L157T is a 15" Fanless panel PC that delivers high performance while consuming low power. The PPC-PPC-L157T operates with low noise and provides display resolutions up to 1024 x 768 (XGA) pixels. The PPC-L157T 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.

Specifications

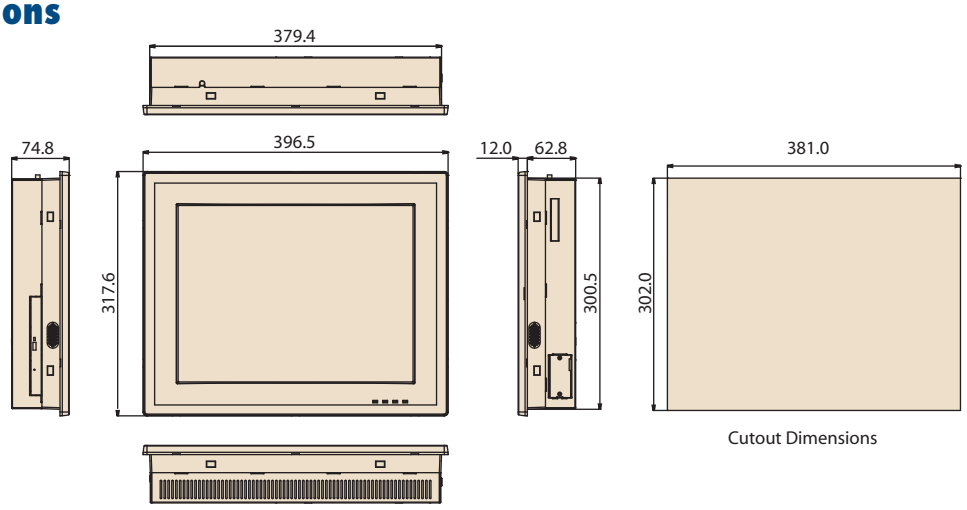
Processor System	CPU	Intel Atom Processor N270 1.6 GHz
	CPU Front Side Bus	533 MHz
	Chipset	Intel 945GSE + Intel ICH7M
	Secondary Cache	512 KB L2 Cache
	Memory	200-pin DDR2 533 SODIMM x1 Up to 2 GB
	Combo Drive	Optional (989KL12801E)
	SSD	Supports one CompactFlash Type II, socket
	HDD	One internal SATA 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
	Bus Expansion	1 x expansion slot for PCI/PCIe card 1 x MINI PCIe slot
	Front Panel Protection	IP65/ NEMA 4 compliant
	Weight	6 kg (13.2 lb)
	Dimensions (W x H x D)	396.5 x 317.6 x 74.8 (15.6" x 12.5" x 2.95")
OS Support		Microsoft Windows XPE/XP Pro, Vista
Power Supply		12 -24 Vdc, 15-24 V_{DC} with battery pack
LCD Display	Display Type	15" Color TFT LCD
	Max. Resolution	1024 x 768
	Colors	262 K
	Pixel Pitch (mm)	0.297 x 0.297
	Viewing Angle	160°/130°
	Luminance (cd/m²)	350
	Brightness Control	Yes (by BIOS)
	Backlight Lifetime	50,000 hours
Touchscreen (optional)	Type	Analog Resistive 5 wires (ELO)
	Resolution	Continuous
	Light Transmission	80 %
	Controller	USB Interface
	Durability (Touches)	35 million
Environmental Specifications	Operating Temperature	0-50° C (32-122° F); 0-40° 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

All product specifications are subject to change without notice

Last updated : 14-Dec-2009

Dimensions

Unit: mm

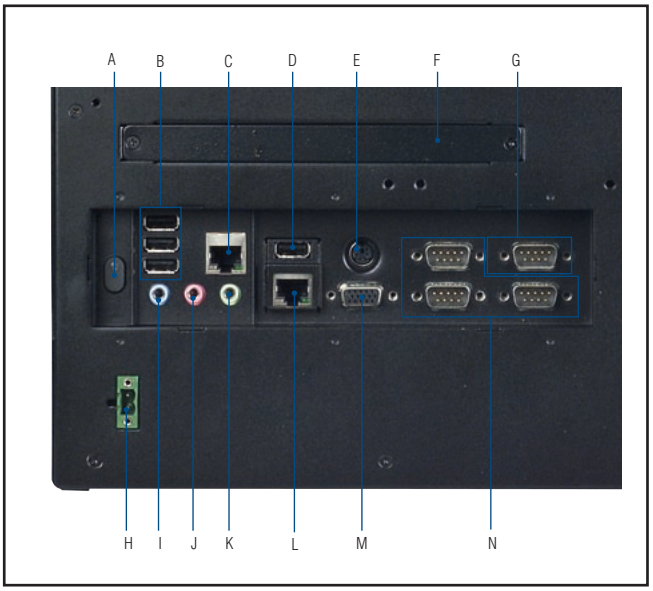


Ordering Information

Part NO	Description
PPC-L157T-080-XE	Intel Atom processor N270 1.6 GHz fanless panel PC with 15" TFT LCD
PPC-L157T-R80-XE	PPC-L157T-080-XE with resistive touchscreen
PPC-L157T-RXPE0E	PPC-L157T with 1G memory/Windows XPE on 160G HDD
PPC-ARM-A03	VESA Stand ARM for PPC series
PPC-174T WL-MT	Wall mount kit for PPC-174T
PPC-L157-STANDE	Stand desktop stand for PPC-L157T
PPC-L157-EXPE	PCI/PCIe expansion kit for PPC-L157
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
989KL15700E	Wireless Module for PPC-L157T Series
989KL15701E	Slim type Combo Module for PPC-L157T Series
989KL15702E	Slim type DVD-RW Module for PPC-L157T Series



Fully-Integrated I/O



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/PCI-E 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