

# 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

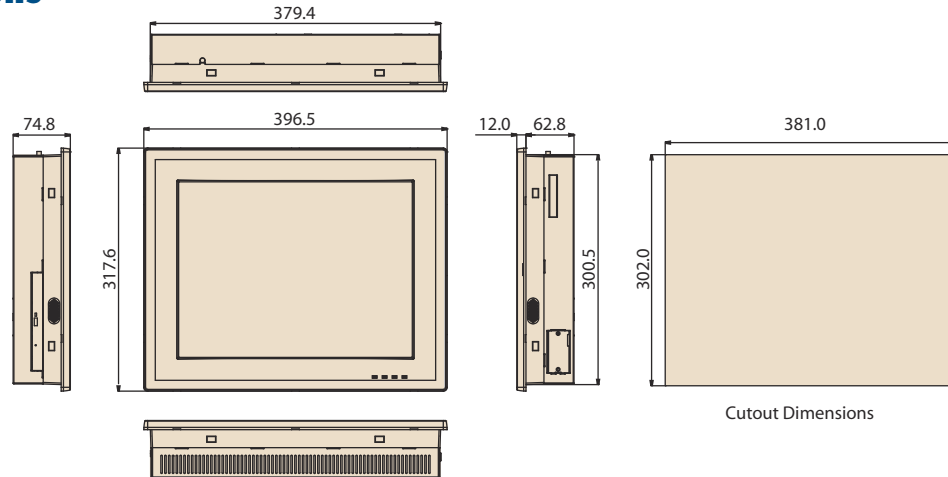
The PPC-L157T is a 15" Fanless panel PC that delivers high performance while consuming low power. The PPC-L157T operates with low noise and provides display resolutions up to 1024 x 768 (XGA) pixels. The PPC-L157T is equipped with dual Gigabit Ethernet connectors supporting either failover or LAN teaming. 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   |   |
|                              | DVD+/-RW   | 989KL15702E   |   |
|                              | 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<br>1 VGA Port ; PS/2 Mouse and Keyboard<br>Line-in/ Line-out/ Mic-in<br>Built-in 1W x 2 speakers, USB 2.0 ports x 4 |   |
| Bus Expansion                | 1 x expansion slot for PCI/PCIe card<br>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, Windows 7 and WES 7   |   |   |
| Power Supply                 | 12 -24 Vdc, 15-24 VDC 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/m <sup>2</sup> )                             | 350   |   |
|                              | Brightness Control   | Yes (by BIOS)   |   |
| Backlight Lifetime           | 50,000 hours   |   |   |
| Touchscreen (optional)       | Type   | Analog Resistive 5 wires (ELO)  | Analog Resistive 5 wires (AMT), Anti-Corrosive type |
|                              | Resolution   | Continuous  | 2048 x 2048   |
|                              | Light Transmission   | 80 %  | 80 %  |
|                              | Controller   | USB Interface   | RS232 Interface (COM4)                              |
|                              | Durability (Touches)                                       | 35 million  | 35 million  |
| Environmental Specifications | Operating Temperature                                      | 0-50° C (32-122° 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                                |   |   |

## Dimensions

Unit: mm

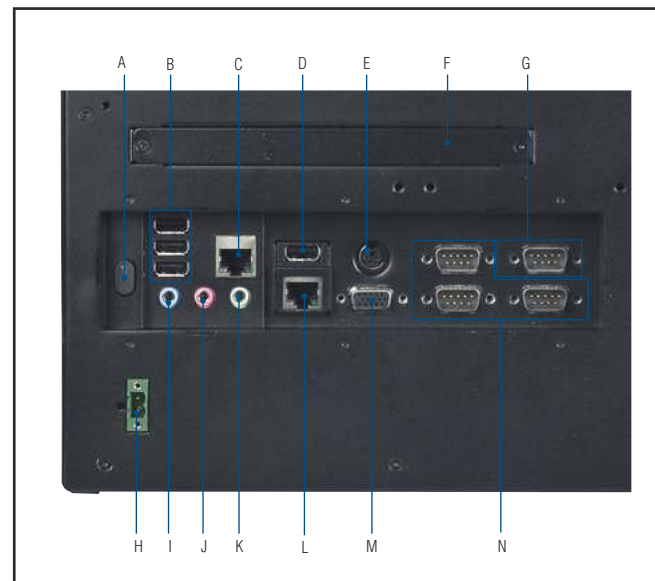


## Ordering Information

| 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-MTE  | Wall mount kit for PPC series  |
| 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   |
| 1700001524       | Power cord 3P UL 10A 125V 1.8M   |
| 989KL15700E      | Wireless Module for PPC-L157T Series   |
| 989KL15702E      | Slim type DVD-RW Module for PPC-L157T Series   |
| PPC-L157T-R81-XE | Intel Atom processor N270 1.6 GHz fanless panel PC with 15" TFT LCD and AMT Anti-Corrosive touchscreen (LED backlight) |
| 2070009824       | XPE WES2009 for PPC-L157T V4.0 24MUI   |



## I/O Appearance



- 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