

# PPC-L61T

## 6.5" Fanless Panel PC with AMD Geode™ LX800 Processor



### Features

- 6.5" TFT VGA LCD (LED Backlight)
- AMD Geode LX800 CPU on board
- System memory up to 1 GB DDR SDRAM
- One CompactFlash® Type I/II socket (True IDE Mode)
- Microsoft® Windows® CE 6.0 and XP Embedded available
- Fanless and ultra-low power consumption
- Adjust RS-232/422/485 through BIOS
- Aluminum Front Bezel
- Automatic data flow control over RS-485



### Introduction

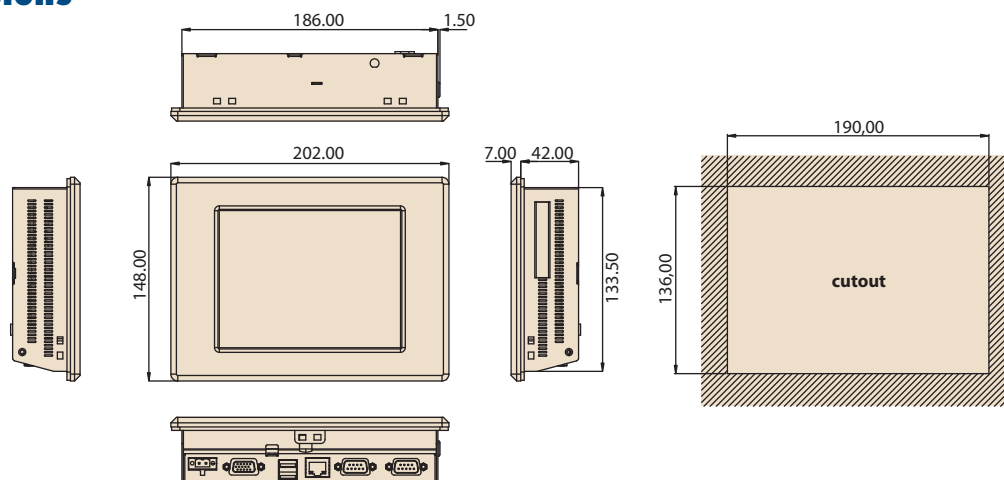
PPC-L61T is a 6.5" industrial-grade Panel PC (PPC) for small interface requirements such as Human Machine Interfaces (HMI) or Multifunctional Products (MFP). PPC-L61T is highly reliable because it incorporates a low power CPU that does not need a cooling fan. The robust aluminum makes this interface suitable for long-term solutions, and especially suitable for environments such as chemical and food processing plants. PPC-L61T comes with an embedded OS for faster application development, so driver development and customization of images do not slow down project implementation.

### Specifications

|                  |                        |                                                                                                                      |
|------------------|------------------------|----------------------------------------------------------------------------------------------------------------------|
| Processor System | CPU                    | Onboard AMD Geode LX800 (500 MHz)                                                                                    |
|                  | Memory                 | 1 x 200-pin SODIMM socket that accepts a 256/512/1024 MB                                                             |
|                  | 2nd Cache Memory       | 128 KB on-die                                                                                                        |
|                  | Chipset                | AMD Geode CS5536                                                                                                     |
|                  | BIOS                   | 4 Mbit Flash BIOS                                                                                                    |
|                  | SSD                    | One type I/II CompactFlash socket                                                                                    |
|                  |                        | PPC-L61T-CE-RTE comes with one 256 MB built-in CompactFlash card                                                     |
|                  | HDD                    | 1 x 2.5" external SATA HDD module (Optional)                                                                         |
|                  | I/O Ports              | - 2 x Serial ports: RS-232 x 1, RS-232/422/485 x 1<br>- 4 x USB ports (2 x external, 2 x internal)<br>- 1 x VGA port |
|                  | Bus Expansion          | 1x MINI PCI expansion slot                                                                                           |
|                  | Network (LAN)          | 10/100 Mbps Ethernet                                                                                                 |
|                  | Watchdog Timer         | 255 timer levels; setup by software                                                                                  |
|                  | Dimensions (W x H x D) | 202 x 148 x 49 (7.9" x 5.82" x 1.92")                                                                                |
| OS Support       | Microsoft              | Windows XPe, CE, XP                                                                                                  |
| Power Supply     | Input Voltage          | 12 V <sub>DC</sub> ~ 30 V <sub>DC</sub> , 2.5 A max                                                                  |
|                  |                        |                                                                                                                      |
| LCD Display      | Display Type           | 6.5" TFT LCD (LED Backlight)                                                                                         |
|                  | Max. Resolution        | 640 x 480                                                                                                            |
|                  | Colors                 | 262 K                                                                                                                |
|                  | Dot Size (mm)          | 0.207 X 0.207                                                                                                        |
|                  | Viewing Angle          | 80 (left), 80 (right), 70 (up), 70 (down)                                                                            |
|                  | Luminance              | 700                                                                                                                  |
|                  | Brightness Control     | Yes (by BIOS)                                                                                                        |
|                  | Operating Temperature  | -30 ~ 85° C (-22 ~ 185°F)                                                                                            |
|                  | Backlight Lifetime     | 50,000 hrs                                                                                                           |
| Touchscreen      | Type                   | Analog Resistive 4 wires                                                                                             |
|                  | Resolution             | 2048 x 2048                                                                                                          |
|                  | Light Transmission     | 80%                                                                                                                  |
|                  | Controller             | RS232 interface                                                                                                      |
|                  | Software Driver        | Supports Windows XP, CE                                                                                              |
|                  | Durability (Touches)   | 10 million                                                                                                           |

## Dimensions

Unit: mm



## Specifications

|                              |                        |                                         |
|------------------------------|------------------------|-----------------------------------------|
| Environmental Specifications | Operating Temperature  | 0 ~ 50° C (32 ~ 122° F)                 |
|                              | Storage Temperature    | -20 ~ 60° C (-4 ~ 140° F)               |
|                              | Relative Humidity      | 10 ~ 95% @ 40° C (non-condensing)       |
|                              | Shock (Operating)      | 10 G peak acceleration (11 ms duration) |
|                              | Vibration              | 1 G                                     |
|                              | EMC                    | BSMI, CE, FCC Class B, VCCI             |
|                              | Safety                 | CB, CCC, BSMI, UL                       |
|                              | Front Panel Protection | IP65 compliant                          |

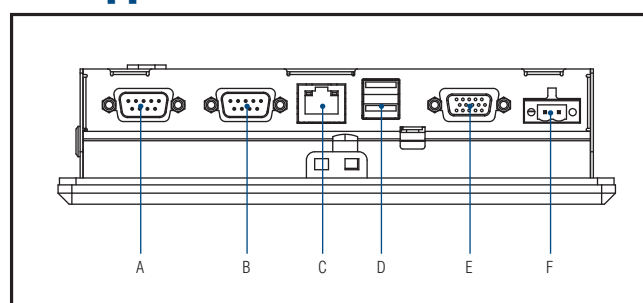
## Ordering Information

| Part No.         | Description                                                                              |
|------------------|------------------------------------------------------------------------------------------|
| PPC-L61T-071-XE  | AMD LX800 500 MHz processor-based fanless Panel PC with 6.5 inch TFT LCD (LED Backlight) |
| PPC-L61T-R71-XE  | PPC-L61T-070-XE with resistive touchscreen (LED Backlight)                               |
| PPC-L61T-CE1-RTE | PPC-L61T-R71-XE with Windows CE.Net (English) on 256 MB CompactFlash (LED Backlight)     |

## Accessories

| Part No.        | Description                                                     |
|-----------------|-----------------------------------------------------------------|
| PS-DC19-L157E   | 19 V <sub>DC</sub> power adapter module for PPC-L128/ PPC-L157T |
| PPC-174T-WL-MTE | Wall mount kit for PPC series                                   |
| 989KL61T00E     | HDD kit for PPC-L61T (SATA Interface)                           |
| 989KL12709E     | Wireless LAN Module for PPC-L127T                               |
| 1700001524      | POWER Cord 3P UL 10A 125V 180cm                                 |
| 170203183C      | POWER Code 3P Europe (WS-010+083)183cm                          |
| 1700008921      | POWER CORD 3P/3P POWER SUPPLY 1.8M PSE                          |

## I/O Appearance



A. Serial Ports (RS-232/422/485)  
B. Serial Ports (RS-232)  
C. Ethernet Jack

D. USB 2.0 X 2  
E. VGA port  
F. DC inlet