

# PPC-L106T

## 10.4" Fanless Panel PC with AMD Geode™ LX 800 (500 MHz) Processor



### Features

- 10.4" TFT LCD
- AMD Geode™ LX 800 (500 MHz) CPU on board
- System memory up to 1 GB SDRAM (256 MB default built-in)
- One CompactFlash Type I/II socket (True IDE Mode)
- 10/100 Mbps Ethernet or Dual LAN (Optional)
- Fanless and ultra-low power consumption
- Optional PCI/ISA expansion kit
- Automatic data flow control over RS-485



### Introduction

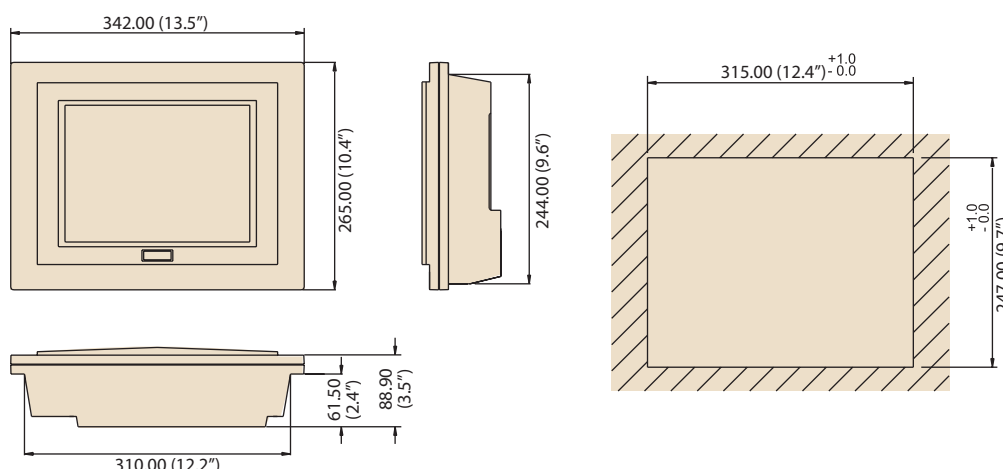
PPC-L106T fanless Panel PC supports the low power AMD Geode LX 800 (500 MHz) processor. It is a powerful and compact Panel PC, ideally suited for operator interface (HMI) applications. Its 10.4" 800 x 600 display, 1 GB SDRAM capacity and auto-sensing 10/100 Mbps Ethernet controller make it the ideal choice for many applications. It is great, for example, for thin clients, health care and other networked environments, and of course traditional process control in industrial automation.

### Specifications

|                        |                                |                                                                                                     |
|------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Processor System       | CPU                            | Onboard AMD Geode LX 800 (500 MHz)                                                                  |
|                        | Memory                         | 1 x 200-pin SODIMM socket that accepts a 256/512/1204 MB DDR 266/333<br>Standard is built-in 256 MB |
|                        | Chipset                        | AMD Geode CX5536                                                                                    |
|                        | BIOS                           | 4 Mbit Flash BIOS                                                                                   |
|                        | SSD                            | 1 x Type II CompactFlash, build in 64MB in PPC-L106T-CE-RTE                                         |
|                        | HDD                            | 1 x internal IDE interface, 2.5" drive                                                              |
|                        | Watchdog Timer                 | 255 timer levels; setup by software                                                                 |
|                        | Bus Expansion                  | 1 x optional PCI/ISA expansion kit<br>1 x Mini PCI socket                                           |
|                        | Dimensions (W x H x D)         | 342 x 265 x 92.4 mm (13.5" x 10.4" x 3.64")                                                         |
|                        | Weight                         | 3.2 kg (7.1 lbs)                                                                                    |
| OS Support             | Microsoft                      | Windows XPE, CE, XP                                                                                 |
| Complete I/O Ports     | Serial Ports                   | 3 x RS-232, 1 x RS-232/422/485 (COM 2)                                                              |
|                        | Parallel Ports                 | 1 x SPP/EPP/ECP port                                                                                |
|                        | Keyboard/Mouse Ports           | PS/2 interface                                                                                      |
|                        | VGA                            | Supports simultaneous CRT displays                                                                  |
|                        | Sound                          | Mic-in/Line-out                                                                                     |
|                        | Ethernet                       | 10/100 Mbps, Dual LAN (Optional)                                                                    |
|                        | USB Ports                      | 2 external USB 2.0, 2 internal USB 2.0                                                              |
|                        | LCD Type                       | 10.4" color TFT LCD                                                                                 |
| LCD Display            | Resolution/Colors              | 800 x 600 @ 262 K                                                                                   |
|                        | Pixel Pitch (mm)               | 0.264 x 0.264                                                                                       |
|                        | Luminance (cd/m <sup>2</sup> ) | 230                                                                                                 |
|                        | Viewing Angle                  | 60° (left), 60° (right), 35° (up), 60° (down)                                                       |
|                        | VR Adjustment                  | Yes                                                                                                 |
|                        | Simultaneous Mode              | Yes                                                                                                 |
|                        | Backlight MTBF                 | 20,000 hrs (min.)                                                                                   |
|                        | Output Rating                  | 65 W                                                                                                |
| Power Supply           | Input Voltage                  | 100 ~ 240 V <sub>AC</sub> @ 50/60 Hz, autoranging                                                   |
|                        | Output Voltage                 | +5 V @ 3.5 A, +12 V @ 4 A                                                                           |
|                        | Type                           | Analog resistive, continuous resolution                                                             |
| Touchscreen (optional) | Light Transmission             | 80%                                                                                                 |
|                        | Controller                     | RS-232 interface (COM 4)<br>Optional USB interface                                                  |
|                        | Software Driver                | Supports Windows XP, CE                                                                             |
|                        | Durability (Touches)           | 35 million                                                                                          |

## Dimensions

Unit: mm (inch)



## Specifications

|                              |                        |                                          |
|------------------------------|------------------------|------------------------------------------|
| Environmental Specifications | Operating Temperature  | 0 ~ 45° C (32 ~ 113° F)                  |
|                              | Relative Humidity      | 10 ~ 95% @ 40° C (non-condensing)        |
|                              | Shock (Operating)      | 10 G peak acceleration (11 ms. duration) |
|                              | EMC                    | CE, FCC Class B, BSMI                    |
|                              | Safety                 | UL, CE, 3C, BSMI                         |
|                              | Front Panel Protection | IP65/NEMA 4 compliant                    |
|                              | Vibration              | 1 G                                      |

## Ordering Information

| Part No.         | Description                                                                                        |
|------------------|----------------------------------------------------------------------------------------------------|
| PPC-L106T-070-XE | AMD Geode LX 800 500 MHz processor-based fanless Panel PC with 10.4 TFT LCD (Built-in 256 MB DRAM) |
| PPC-L106T-R70-XE | PPC-L106T-070-XE with resistive touchscreen                                                        |
| PPC-L106T-CE-RTE | PPC-L106T with Windows CE.NET (English) on 64 MB CompactFlash                                      |
| PPC-105 Rack MT  | 19" Rack Mounting kit for PPC-103/105/L106T                                                        |
| PPC-ARM-A03      | VESA Standard ARM for PPC series                                                                   |
| PPC-174 WL-MT    | Wall mount kit for PPC-174T                                                                        |
| PPC-EXP-L106     | PCI/ISA expansion kit for PPC-L106T                                                                |
| 989KL12709E      | Wireless LAN module for PPC-L127, PPC-L106                                                         |
| 1702002600       | POWER Cable UL/CSA (USA) 180D 125V10A 1.83M                                                        |
| 1702002605       | POWER CABLE 90D 220V EUROPEAN 250V/6A (FRANCE) 1.8M                                                |

## Feature Details

### Various applications for the PPC-L106T

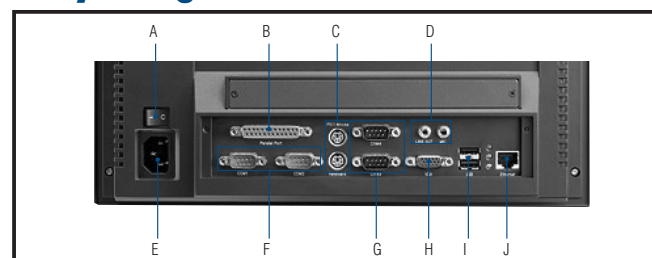
PPC-L106T's back panel I/O and integrated all-in-one single board computer make it the ideal choice to control a dedicated system in a wide variety of applications. Applications include:

- Control or data entry operator interfaces
- Information management and retrieval terminals
- Entertainment management systems
- Point of sale (POS) terminals
- Banking/office automation

### Slim and compact PC terminal with LCD

The PPC-L106T is the most versatile 10.4" LCD PC available. The slim chassis fits anywhere and can be mounted in several different configurations. It can be panel mounted, wall mounted or placed upright on a desktop. Integrating the PPC-L106T into a custom system is made simple through its open-system design and comprehensive back panel I/O interface.

## Fully-Integrated I/O



- A. Power switch
- B. Parallel port
- C. PS/2 mouse & keyboard
- D. Mic-in/Line-out
- E. AC inlet
- F. COM ports
- G. COM ports
- H. VGA port
- I. USB ports V2.0
- J. Ethernet



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Электрон  
Связь**

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