

# PPC-125T

## 12" Panel PC with Intel® Core™2 Duo Processor



### Features

- 12.1" TFT XGA (1024 x 768) LCD Panel
- Intel® Core™2 Duo processor up to 2.16 GHz
- System memory up to 4 GB (DDR2 200-pin SODIMM socket x 2)
- 1 x PCI slot or 1 x PCIe slot (both optional)
- One Mini PCIe slot
- Built-in CF card interface (IDE interface for OS booting)
- Two Gigabit Ethernet ports, support LAN teaming
- One RS-232/422/485; (supporting Auto-flow control, selecting by BIOS)

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## Introduction

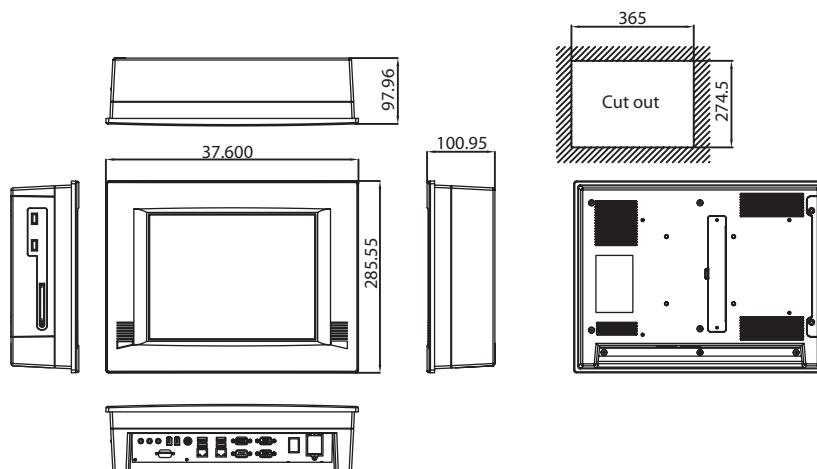
The PPC-125T is an Intel Core 2 Duo based Panel PC with 12.1" color TFT LCD. It features multimedia devices, various connectors, and can be installed in virtually any application. In addition, its user-friendly interface makes it a great host for information appliances. Four serial COM supports auto-flow control PPC-125T advanced networking capabilities, and provides a great solution for versatile applications.

## Specifications

|                                     |                        |                                                                                                                                                                                                                               |
|-------------------------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Processor System</b>             | CPU                    | Supports mSocket 478 based Core 2 Duo up to 2.16 GHz                                                                                                                                                                          |
|                                     | CPU FSB                | 533/667 MHz                                                                                                                                                                                                                   |
|                                     | Chipset                | 945GME + ICH7M                                                                                                                                                                                                                |
|                                     | Disk Drive Housing     | Room for 1 x 2.5" SATA HDD                                                                                                                                                                                                    |
|                                     | Dimensions (W x H x D) | 376 x 285.55 x 100.95 mm (14.80" x 11.24" x 3.97")                                                                                                                                                                            |
|                                     | Front Panel Protection | IP65 compliant                                                                                                                                                                                                                |
|                                     | Weight                 | 5.6 kg (12.33 lb)                                                                                                                                                                                                             |
|                                     | HDD                    | SATA HDD interface (2.5" HDD bay)                                                                                                                                                                                             |
|                                     | DVD+/-RW Drive         | Optional external module with SATA DVD-RW Drive                                                                                                                                                                               |
|                                     | Memory                 | Socket x 2, supports up to 4 GB DDR2 SDRAM 200pin SODIMM                                                                                                                                                                      |
|                                     | Network (LAN)          | 2 x Gigabit Ethernet ports, support both wake on LAN and boot from LAN functions.                                                                                                                                             |
|                                     | I/O Ports              | - 4 x COM ports: 3 x RS-232, 1 x RS-232/422/485<br>- 6 x USB 2.0 ports<br>- 1 x PS/2 mouse and keyboard interface<br>- MIC in / Line in / Line out port, 1 W speakers<br>- 2 x Gigabit Ethernet ports<br>- 1 x D-SUB VGA port |
| <b>OS Support</b>                   | Bus Expansion          | PCI riser card & PCIe riser card are available as options, 1 x Mini PCI socket, 1 x Mini PCIe socket                                                                                                                          |
|                                     | OS Support             | Win XPE, Win XP Pro, WES7 with 32 bit, WES7 with 64 bit (only for T7400 CPU)                                                                                                                                                  |
| <b>Environmental Specifications</b> | Operating Temperature  | 0 ~ 50°C (32 ~ 122°F)                                                                                                                                                                                                         |
|                                     | Relative Humidity      | 10 ~ 95% @ 40°C non-condensing                                                                                                                                                                                                |
|                                     | Shock                  | Operating 10 G peak acceleration (11 ms duration), follows IEC 60068-2-27                                                                                                                                                     |
|                                     | Vibration              | Operating Random Vibration Test 5~500Hz, 1Grms, follow IEC 60068-2-64                                                                                                                                                         |
|                                     | EMC                    | BSMI, CE, FCC Class B, CCC                                                                                                                                                                                                    |
|                                     | Safety                 | CB, CE, UL                                                                                                                                                                                                                    |
| <b>Power Supply</b>                 | <b>AC Model</b>        | Output Rating                                                                                                                                                                                                                 |
|                                     |                        | 150 W (max.)                                                                                                                                                                                                                  |
|                                     |                        | Input Voltage                                                                                                                                                                                                                 |
| <b>LCD Display</b>                  |                        | 100 ~ 240 V <sub>ac</sub> , 50 ~ 60 Hz, 2 ~ 4 A                                                                                                                                                                               |
|                                     |                        | Output Voltage                                                                                                                                                                                                                |
|                                     |                        | +3.3 V @ 4.5 A, +5 V @ 8.5 A, +12 V @ 7.0 A, +5 V <sub>sb</sub> @ 1.5 A, -12 V @ 0.3 A                                                                                                                                        |
|                                     |                        | Display Type                                                                                                                                                                                                                  |
|                                     |                        | Color TFT LCD                                                                                                                                                                                                                 |
|                                     |                        | Size (Diagonal)                                                                                                                                                                                                               |
|                                     |                        | 12.1"                                                                                                                                                                                                                         |
|                                     |                        | Max. Resolution                                                                                                                                                                                                               |
|                                     |                        | 1024 x 768                                                                                                                                                                                                                    |
|                                     |                        | Max. Colors or Grayscales                                                                                                                                                                                                     |
|                                     |                        | 262 K                                                                                                                                                                                                                         |
|                                     |                        | Pixel Pitch (mm)                                                                                                                                                                                                              |
|                                     |                        | 0.240 x 0.240                                                                                                                                                                                                                 |
| <b>Touchscreen (optional)</b>       |                        | Luminance (cd/m <sup>2</sup> )                                                                                                                                                                                                |
|                                     |                        | 450                                                                                                                                                                                                                           |
|                                     |                        | Contrast Ratio                                                                                                                                                                                                                |
|                                     |                        | 700 : 1                                                                                                                                                                                                                       |
|                                     |                        | Viewing Angle                                                                                                                                                                                                                 |
|                                     |                        | 80°(left), 80°(right), 80°(up), 80°(down)                                                                                                                                                                                     |
|                                     |                        | Operating Temperature                                                                                                                                                                                                         |
|                                     |                        | -30 ~ +70°C                                                                                                                                                                                                                   |
|                                     |                        | LCD MTBF                                                                                                                                                                                                                      |
|                                     |                        | 50,000 hrs                                                                                                                                                                                                                    |
|                                     | Type                   | 5-wire Analog Resistive (USB interface)                                                                                                                                                                                       |

## Dimensions

Unit: mm



## Ordering Information

| Part No.         | Description                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------|
| PPC-125T-BAREE   | 12.1" Core 2 Duo Panel PC without T/S                                                                    |
| PPC-125T-BARE-TE | 12.1" Core 2 Duo Panel PC with Resi. T/S                                                                 |
| PPC-125-STANDE   | Stand kit for PPC-125 series                                                                             |
| PPC-174T-WL-MTE  | Wall mount kit for PPC series                                                                            |
| PPC-ARM-A03      | PPC ARM VESA Standard                                                                                    |
| 989K012500E      | PCI-e riser card with rear add-on box with 1 x Slim SATA ODD bay                                         |
| 989K012502E      | DVD-RW Drive Module for PPC-125 with 1 x PCI-e slot                                                      |
| 989K012503E      | PCI riser card with rear add-on box with 1 x Slim SATA ODD bay                                           |
| 1702002605       | POWER CABLE 90D 220V EUROPEAN 250V/6A 1.8M                                                               |
| 1702002600       | Power Cable UL/CSA (USA) 180D 125V10A 1.83M                                                              |
| 2070006629       | XPE FP2007 PPC-125T V3.01 (ENG/JPN/Simplified Chinese/Traditional Chinese), 4 languages with SUSI Access |
| 2070006569       | Image XPE FP2007 PPC-125T V3.01 ENG                                                                      |
| 2070011330       | IMG XPE WES09 PPC-125T V4.0 24 multi-languages with SUSI Access                                          |

## Feature Details

### Protection

To meet the requirements of a public environment, the front panel PPC-125T complies with the IP65 protection standard. Furthermore, the watchdog timer and power management features make the system secure and stable. The onboard hardware monitoring feature provides an automatic protection function, which prevents the CPU from becoming overheated.

### Expansion

To extend functionality, the PPC-125T is designed with either one expansion slot for PCI card or PCIe card and six USB 2.0 (Universal Serial Bus) ports. With these expansion capabilities, the PPC-125T not only functions as an HMI, but also as a computing center on which to build your applications.

## I/O Appearance

