PPC-L60T

VIA® Eden™ Based Fanless Panel PC with 6.4" TFT LCD and Touchscreen

Features

- 6.4" TFT VGA LCD
- VIA® Eden™ 400 MHz CPU on board
- System memory up to 512 MB SDRAM (Standard is built-in 128 MB)
- One CompactFlash® Type I/II socket (True IDE Mode)
- Microsoft® Windows® CE 4.2 and XP Embedded are available
- 10/100Base-T Ethernet
- Fanless and ultra-low power consumption
- Stainless Front cover

Introduction

PPC-L60T is a 6.4" industrial-grade Panel PC (PPC) for small interface requirements such as Human Machine Interfaces (HMI) or Multifunctional Products (MFP). PPC-L60T is highly reliable because it incorporates a low power CPU that does not need a cooling fan. The robust stainless steel enclosure makes this interface suitable for long-term solutions, and especially suitable for environments such as chemical and food processing plants. PPC-L60T comes with an embedded OS for faster application development, so driver development and customization of images do not slow down project implementation.

Specifications

- **CPU**: Onboard VIA Eden 400 MHz
- **Memory**: One 144-pin SODIMM socket up to 512 MB SDRAM (Standard is built-in 128 MB)
- **2nd Cache Memory**: 64 KB on-die
- **Chipset**: VIA PN133T (Twister™)
- **BIOS**: Award 256KB Flash BIOS
- **SSD**: One type I/II CompactFlash socket. PPC-L60T-RCE0 comes with one 64 MB built-in CompactFlash card
- **HDD**: One internal IDE interface, 2.5" type
- **I/O Ports**:
  - 2 x Serial ports: RS232 x 1, RS232/422/485 x 1
  - 1 x USB ports (V1.1)
  - 1 x PS/2 mouse and keyboard
  - 1 x VGA port
- **Network (LAN)**: 10/100Base-T Ethernet
- **Watchdog Timer**: 62-level, 1 ~ 62 seconds
- **Dimensions (W x H x D)**: 218 x 151 x 74.2 mm (8.58" x 5.94" x 2.92")
- **Weight**: 1.8 kg (3.96 lbs)

Power Supply

DC/DC Converter

- **Input Voltage**: 12 V_{DC} ~ 24 V_{DC}, 3.5 A max
- **Output Voltage**: 5 V @ 5 A, 12 V @ 1 A

LCD Display

- **Display Type**: 6.4" TFT LCD
- **Max. Resolution**: 640 x 480
- **Colors**: 262 K
- **Dot Size (mm)**: 0.203 x 0.203
- **Viewing Angle**: 90°
- **Luminance**: 150 cd/m²
- **Operating Temperature**: 0 ~ 50° C
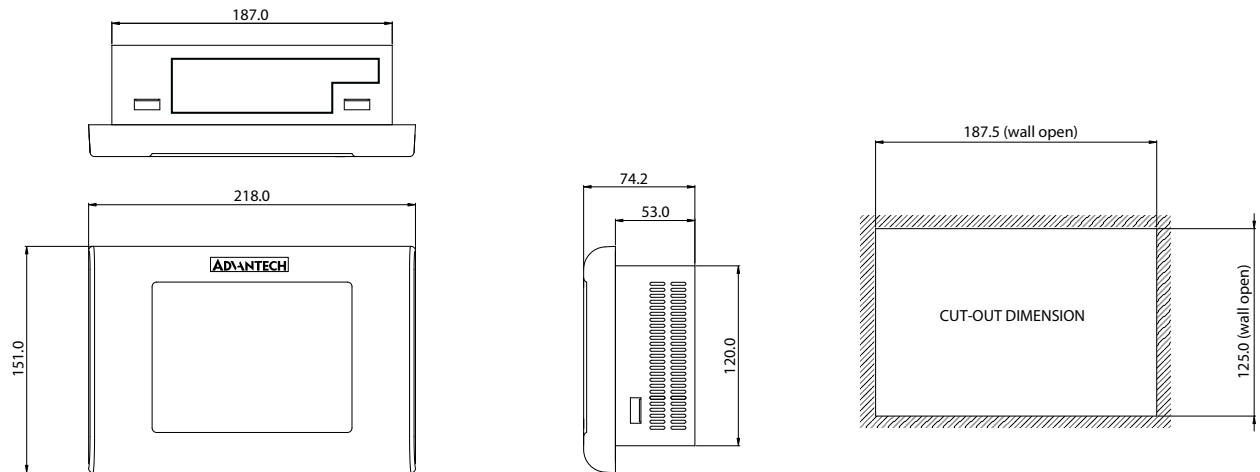- **Backlight Lifetime**: 20,000 hrs

Touchscreen

- **Type**: Analog Resistive
- **Resolution**: Continuous
- **Light Transmission**: 80%
- **Controller**: USB interface
- **Software Driver**: Supports Windows 98/2000/XP
- **Durability (Touches in a lifetime)**: 10 million

Environmental Specifications

- **Operating Temperature**: 0 ~ 40° C
- **Relative Humidity**: 10 ~ 95% @ 40° C (non-condensing)
- **Shock (Operating)**: 10 G peak acceleration (11 ms duration)
- **Vibration**: 1 G
- **EMC**: CE, FCC Class A
- **Safety**: CE, UL
- **Front Panel Protection**: IP 65 / NEMA compliant

Last updated:1-Aug-2006

Dimensions

Unit: mm (inch)

187.0

218.0

151.0

74.2

53.0

120.0

187.5 (wall open)

125.0 (wall open)

CUT-OUT DIMENSION

ADVANTECH

Ordering Information

- **PPC-L60T-R70-XE** VIA Eden 400 MHz based Fanless Panel PC with 6.4"VGA color TFT LCD, 128MB SDRAM and resistive touchscreen.

- **PPC-L60T-RXPE0E** PPC-L60T-R70-XE with 256 MB SDRAM and Windows XPE (English) on a 40GB HDD

- **PPC-L60T-RCE0E** PPC-L60T-R70-XE with 128MB SDRAM and Windows CE.NET 4.2 (English) on a 64 MB CompactFlash card.
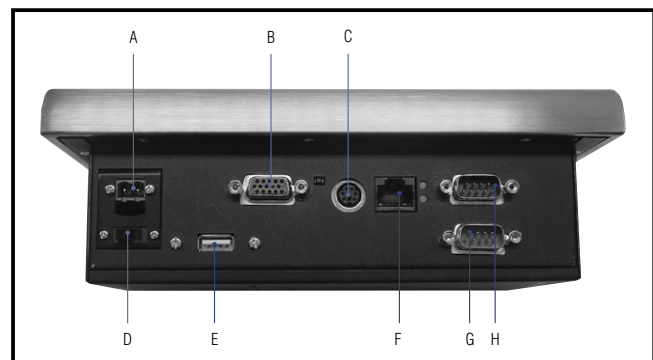
Accessories

- **PS-DC19-L60** 19 V_{DC} power adapter module for PPC-L60
- **PPC-L60 WL-MT** Wall mount kit for PPC-L60 series

Embedded Software Features

PPC-L60T-RCE0: A pre-loaded 64 MB CompactFlash card with a full OS image component of Windows CE .NET 4.2 Professional Plus, including all device drivers and an extensive range of add-ons. On the utility CD, we offer an SDK for application development by using Microsoft embedded Visual C++.

PPC-L60T-RXPE0: 20 GB HD pre-loaded with a full component of Windows XP Embedded (SP1). OS is ready for customers to add peripherals and applications. Visual Studio 2003 can be used to develop applications.

Fully-integrated I/O

A. DC 12 ~ 24 inlet
B. VGA
C. PS/2 KB/Mouse
D. Power switch
E. USB V1.1
F. LAN
G. RS-232/422/485
H. RS-232