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Find the *Advantech PPC-V106T-AC* at our website: *Click HERE*

PPC-V106

Vehicle Mount Terminal with 10.4” TFT LCD



Features

- Fanless for higher reliability
- 10.4” TFT LCD display
- Rugged die-cast aluminum enclosure
- Meets VESA standard for flexible installation
- Optional vehicle mounting kits
- No ventilation holes and water-resistant
- Variable power source, 12 V, 24 V and 48 V DC power supply; AC power supply
- WLAN, GPS, GPRS expansion ability for wireless transmissions
- Embedded OS support (WinCE.NET 4.2, WinXP Embedded, Linux)

Introduction

PPC-V106 is a fanless vehicle mounted computer that comes with a VIA® Eden™ low-power CPU for high reliability and performance. It is designed for applications in: depots, warehouses, transportation, agriculture, manufacturing, docks, distribution centers, shipyards, and lumberyards where it is mounted in electric vehicles.

The rugged die-cast aluminum enclosure replaces the fan as it helps PPC-V106 dissipate heat. PPC-V106 has a special design without ventilation holes that makes the front panel, back cover and sides comply with IP65/NEMA4, while the more exposed I/O ports have been placed in the bottom to protect against vertically falling water. PPC-V106 can therefore be placed in harsh environments with dust and humidity. PPC-V106 serves as a shockproof solution for rotating drive applications. With the installation of a solid state CompactFlash™ card, PPC-V106 can additionally offer shock and vibration proof data storage for critical industrial applications.

PPC-V106 is designed to be used in both wireless and wide area networks with its expansion capabilities for 802.11b/g, GPS, GSM or GPRS. In addition to Windows® 98, 2000 and XP, PPC-V106 also supports embedded OS like Win CE .NET, WinXP Embedded and Linux.

Specifications

- **CPU** On-board VIA® Eden™ 800 MHz CPU
- **System Memory** Supports DDR SDRAM up to 2 GB
- **SSD** Supports one internal CompactFlash™ type II socket
- **HDD** One IDE interface for 2.5" HDD
- **Network (LAN)** 10/100Base-T Ethernet interface
- **Dimensions (W x H x D)** 310 x 255 x 80 mm
- **Weight** 3.5 kg

LCD Display

- **Display Type** 10.4" TFT LCD
- **Resolution** SVGA 800 (H) x 600 (V)
- **Colors** 262K
- **Pixel Pitch (mm)** 0.264 (H) x 0.264 (V)
- **Contrast Ratio** 500:1 Typ.
- **Viewing Angle (CR≥10)** 60/60/35/65 (L/R/U/D)
- **Luminance** 230 cd/m2
- **Lamp Life Time** 20,000 hours

Touch Screen (Optional)

- **Type** Analog resistive
- **Light Transmission** 75%
- **Controller** RS-232 interface
- **Software Driver** Supports both DOS and Windows
- **Durability** 1 million

Power Supply

- **AC model** 60 watts
  - Input voltage 100-240 V_{AC}, 50/60 Hz, 2-1.5 A
  - Output voltage +5 V @ 5 A, +12 V @ 3 A
- **DC model** 75 watts
  - Input voltage 19-36 V_{DC} , typical 24 V_{DC}
  - Output voltage +5 V @ 8 A, +12 V @ 2.5 A
- **Optional DC model** 65 watts
  - Input voltage 11.2-18 V_{DC} , typical 12 V_{DC}
  - Output voltage +5 V @ 7 A, +12 V @ 2 A
- **Optional model** 75 watts
  - Input voltage 40-58 V_{DC} , typical 48 V_{DC}
  - Output voltage +5 V @ 8 A, +12 V @ 2.5 A

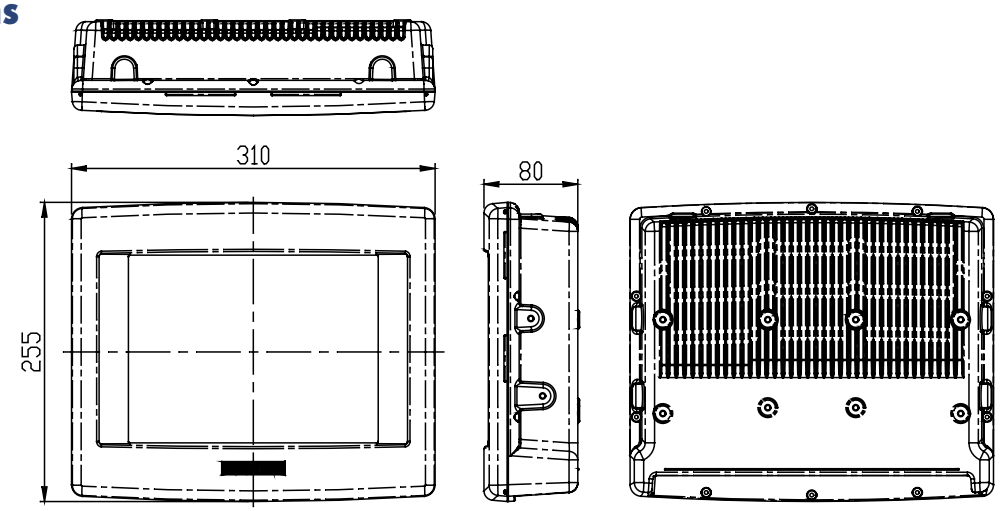
Environmental Specifications

- **Operating Temperature** 0~45° C (32~113° F)
- **Relative Humidity** 10~95% @40° C, non-condensing
- **Shock** 10 G peak acceleration (11 msec. duration)
- **EMC** CE, FCC Class B
- **Safety** UL, CUL, CE
- **Vibration** 5 ~ 500 Hz 1 G RMS Random vibration (operating with HDD)

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Dimensions

Unit: mm



Ordering Information

- **PPC-V106T** 10.4" Fanless Vehicle-mounted PC, DC 24V + VIA Eden 800 CPU

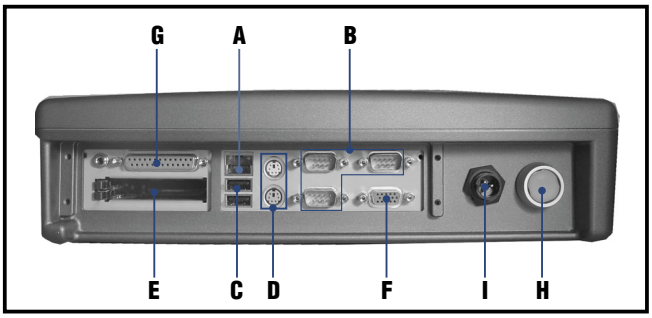
Bare BOM

- **PPC-V106T-G70-X** PPC-V106T with 256 MB DDR + 20 GB HDD
- **PPC-V106T-R70-X** PPC-V106T with 256 MB DDR + 20 GB HDD+ Res. T/S
- **PPC-V106T-GCE0** PPC-V106T with 128 MB DDR+ Win CE .NET 4.2 on 64 MB CompactFlash
- **PPC-V106T-RCE0** PPC-V106T with 128 MB DDR+ WinCE .NET 4.2 on 64 MB CompactFlash + Res. T/S
- **PPC-V106T-GXPE0** PPC-V106T with 256 MB DDR + 20 GB HDD +WinXPE
- **PPC-V106T-RXPE0** PPC-V106T with 256 MB DDR + 20 GB HDD +WinXPE+ Res. T/S

Optional Items

- **PPC-V106 UNIARM** Universal arm for PPC-V106T series
- **PPC-V106T with AC power, 12 VDC inlet or 48 VDC inlet (Production upon order)**
- **802.11b wireless antenna with PCMCIA module**
- **802.11 b/g wireless antenna with MINI PCI module**

Fully Integrated I/O



A. 10/100Base-T Ethernet
B. 3 serial ports:
RS232 x 2
RS232/422/485 x 1
C. 2 USB V 2.0 ports
D. PS/2 keyboard and mouse port
E. PCMCIA Type II x 2
F. VGA port
G. 1 SPP/EPP/ECP parallel port
H. Power switch
I. DC power inlet





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We buy equipment

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