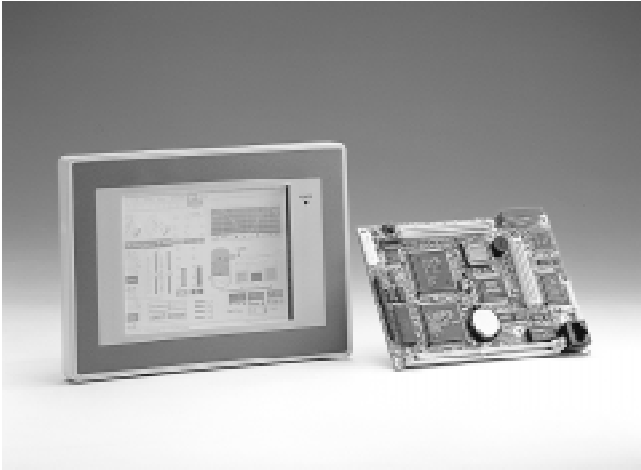


PPC-60S

Mini Panel PC with 6.0" VGA Color STN LCD Display



Introduction

The PPC-60S comes fully equipped with a VGA STN LCD display, this when combined with the optional touchscreen becomes a very user-friendly interface for the end user. Easily programmed in DOS and WINDOWS 3.1 operating systems, the PPC-60S becomes fully configurable. This product features an all-in-one 386 PC board, on-board VGA, two COM ports (RS-232 and RS-232/422/485), 10Base-T Ethernet, CompactFlash™ adapter, external expansion slot for 16-bit PC/104 and optional touchscreen. With UL/CSA, FCC Class B, and CE approved, the PPC-60 is suitable for industrial and transportation applications.

Specifications

- **Construction:** Plastic molding with optional metal PC/104 expansion cover
- **CPU and core logic:** ALI M6117C, this is equivalent to a 80386SX CPU
- **BIOS:** AMI 128 KB Flash memory
- **RAM:** One 72-pin SIMM socket accepts 1, 4, 16 MB FPM or EDO DRAM
- **Disk drive housing:** Supports one CompactFlash™ adapter
- **VGA:** C&T 65545 chipset on board with 512 KB DRAM, panel resolution up to 640 x 480 @ 256 colors.
- **Built-in Ethernet (LAN):** Novell NE-2000 compatible, 10Base-T interface.
- **Multi-mode parallel port:** Configured to LPT1, LPT2, LPT3 or disabled. Supports SPP/EPP/ECP, D-SUB 25-pin connector.
- **Serial ports:** RS-232 x 1, RS-232/422/485 x 1 (DIP switch settings)
- **PS/2 keyboard/mouse connector:** Mini-DIN keyboard connector
- **HDD:** Supports up to two EIDE devices, auto-detect BIOS
- **Expansion Slot:** Supports up to two cascaded 16-bit PC/104 cards with +5 V and +12 V only
- **Watchdog timer:** Adjustable period up to 62 seconds
- **Dimensions (W x H x D):** 197.5 x 142.8 x 63.4 mm (7.8" x 5.6" x 2.5")
- **Weight:** 1.5 kg (3.3 lbs)



LCD Display

- **Display type:** STN color dot matrix type LCD
- **Size:** 6.0"
- **Max resolution/color:** 640 x 480 @ 256 color
- **Pixel pitch:** 0.189 x 0.189 (mm)
- **Luminance:** 70 cd/m²
- **Viewing angle:** +/- 45° (H), -20°, +35°(V)
- **Response time:** 250 ms
- **Temperature:** 0 ~ 50° C
- **Backlight:** one CFL tube

Power Supply

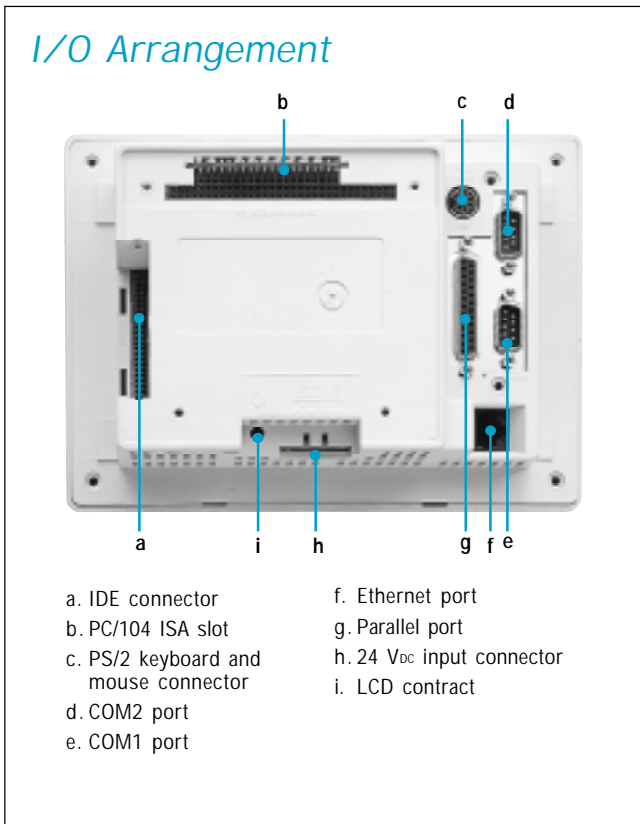
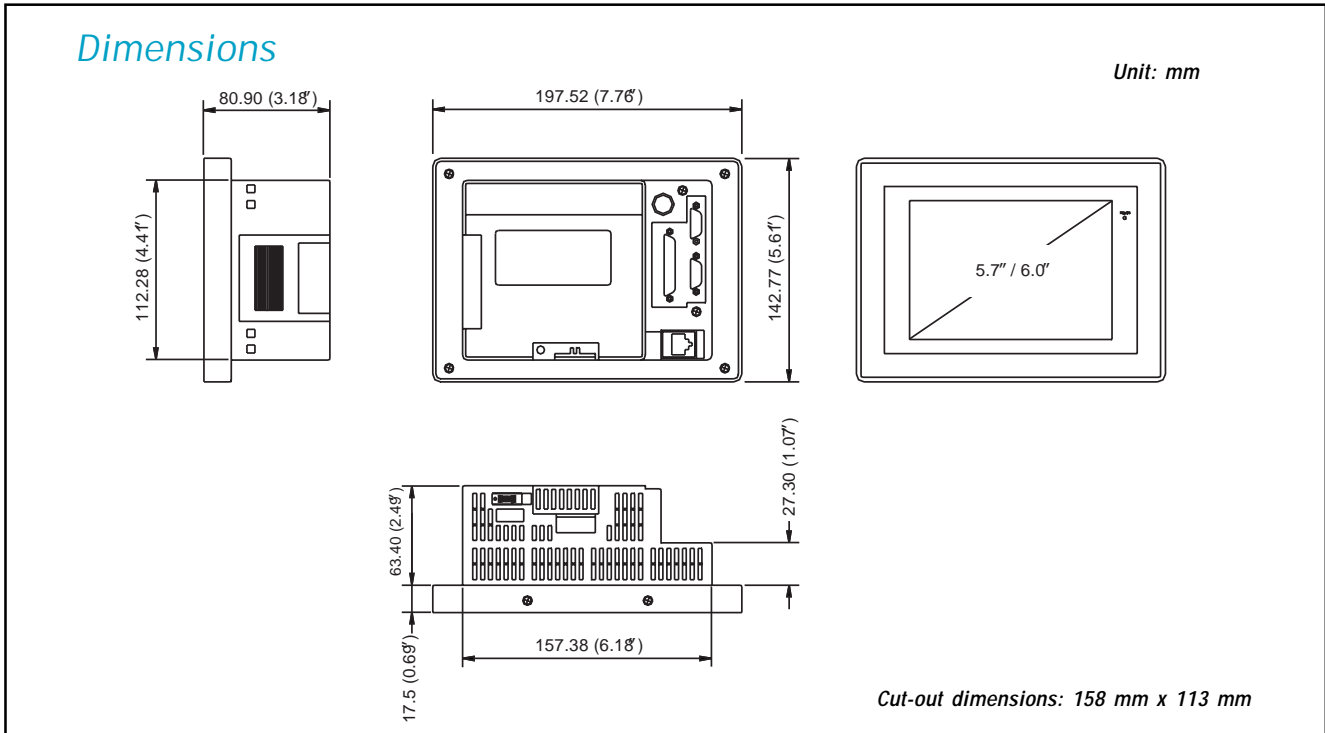
- **Output rating:** 25 W
- **Input voltage:** 18 ~ 30 V_{DC}
- **Output voltage:** +5 V @ 4 A, +12 V @ 0.5 A

Touchscreen

- **Type:** 4-wire resistive
- **Resolution:** 1024 x 1024
- **Light transmission:** 75%
- **Interface:** PS/2
- **Software driver:** Supports DOS and Windows 3.1
- **Lifetime:** More than 3 million touches

Environmental Specifications

- **Operating temperature:** 0 ~ 45 °C (32 ~ 113 °F)
- **Relative humidity:** 0 ~ 95% RH (non-condensing),
- **Safety:** Meets UL/CSA
- **FCC Class B, CE approved**
- **Vibration:** 10 ~ 18 Hz, 1.5 mm peak-to-peak displacement
18 ~ 500 Hz, 1 G acceleration
- **Water resistance:** Front panel meets NEMA 4 or IP 65



Ordering Information

- ❑ **PPC-60S-SC-T**
386-based Panel PC with 6.0" VGA color STN LCD, 16 MB EDO DRAM CompactFlash™ card adapter and resistive touchscreen

Optional Peripherals

- ❑ **PS-D24-50**
24 V_{DC} / 2.3 A output adapter
- ❑ **PPC-EXP-57**
Metal cover for 2 layer 16-bit PC/104 expansion device
- ❑ **CF-ADP-57**
Removable adapter for CompactFlash™ memory