PPC-158T

Stainless Steel PC with 15" Color TFT LCD and Intel® Pentium® III or Intel® Celeron® Processor

Features

- 15" TFT XGA (1024 X 768) LCD
- System memory up to 1 GB SDRAM
- Easy maintenance stainless steel front bezel
- Easy front access brightness and volume controls
- Two built-in speakers extend voice functions for Kiosks, POS/POI, and advertising applications
- Removable built-in speakers for OEM
- Removeable OSD function for OEM

Introduction

PPC-158T is an Intel® Pentium® III Socket 370 based panel PC, with stainless steel front bezel and metal rear cover. Various applications can be developed with the stainless steel housing, its tough easy-clean properties are suitable for many industrial environments. There are also flexible mounting methods: panel, wall, swing arm and desktop stand accessories are available as optional accessories.

Specifications

- **CPU** — Supports Socket 370 based Intel Pentium III CPU, up to 1.26 GHz or Intel Celeron CPU up to 1.2 GHZ
- **Disk Drive Housing** — Room for one 2.5" HDD
- **Dimensions (W x H x D)** 393.8 x 310.5 x 92.4 mm (15.51" x 12.23" x 3.64")
- **Weight** — 7.5 kg (16.6 lbs)
- **Front Panel Protection** — IP 65/NEMA 4 compliant
- **HDD** — IDE HDD interface (2.5" HDD bay)
- **CD-ROM Drive** — Compact 24X or above
- **Combo Drive** — Optional DVD/CD-RW 8D/24W/24E/24R or above
- **DVD+/-RW Drive** — Optional 8X DVD+R/4X DVD-R/4X DVD+RW/4X DVD-RW/24X CD-R/10X CD-RW writing 8X DVD/24X CD read or above
- **Memory** — Supports up to 1 GB SDRAM (168-pin)
- **Network (LAN)** — 10/100Base-T Ethernet interface
- **I/O Ports** —
  - 4 serial ports: RS-232 x 3, RS-232/422/485 x 1
  - 1 parallel port
  - 2 USB 2.0 ports
  - 2 PCMCIA Type II
  - 1 PS/2 mouse and keyboard interface
  - 2 built-in speakers (1.5 W/each)
  - Mic-in, Line-in, Line-out, and game port
- **Bus Expansion** — One expansion slot for half-size PCI/ISA card

Power Supply

AC Model
- **Output Rating** — 80 W (max.)
- **Input Voltage** — $100 \sim 240\ V_{AC}$, auto-switching @ $50 \sim 60$ Hz
- **Output Voltage** — +5 V @ 12 A, +12 V @ 1 A

DC 24/48V Model
- **Output Rating** — 74 watts
- **Input Voltage** — $18\ V_{DC} \sim 56\ V_{DC}$, typical $24\ V_{DC}$ @ 7A max, $48\ V_{DC}$ @ 4A max
- **Output Voltage** — +5 V @ 10A, +12 V @ 1.5A

DC 12V model (optional)
- **Output Rating** — 80 watts
- **Input Voltage** — $9\ V_{DC} \sim 18\ V_{DC}$, typical $12\ V_{DC}$ @ 12A max
- **Output Voltage** — +5 V @ 10A, +12 V @ 1.5A

Environmental Specifications

- **Operating Temperature** — $0 \sim 45°$ C ($32 \sim 113°$ F)
- **Relative Humidity** — $10 \sim 95\%$ @ $40°$ C, non-condensing
- **Shock** — 10 G peak acceleration (11 msec. duration)
- **EMC** — BSMI, VCCI, CE, FCC Class B
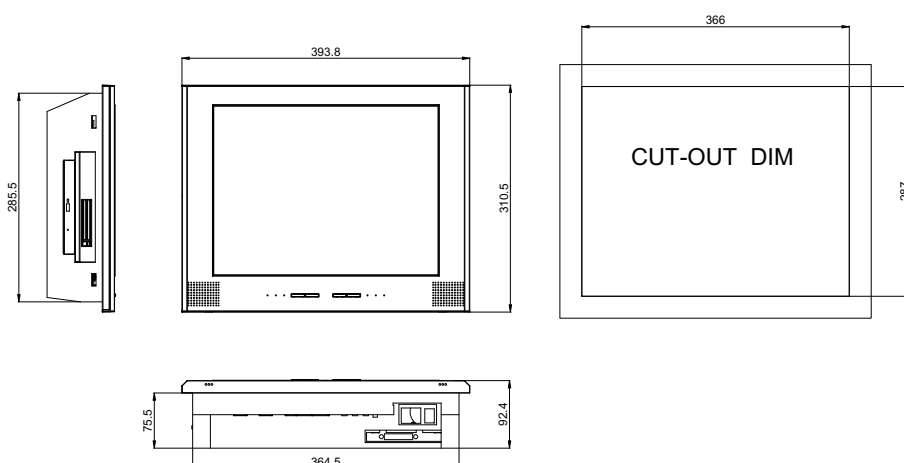- **Safety** — UL, CB, CE

Touchscreen (Optional)

Types	Analog Resistive	Capacitive Surface
Resolution	Continuous	1024 x 1024
Light Transmission	75%	85%
Controller	RS-232 interface (uses COM4)	
Power Consumption	+5 V @ 200 mA	+5 V @ 100 mA
Software Driver	Supports both DOS and Windows	
Durability	35 million	225 million (Touches lifetime)

LCD Display

- **Display Type** — Color TFT LCD
- **Size (Diagonal)** — 15"
- **Max. Resolution** — 1024 x 768
- **Max. Colors** — 262 k
- **Pixel Pitch (mm)** — 0.297 x 0.297
- **Luminance (cd/m2)** — 350
- **Contrast Ratio** — 400:1
- **Viewing Angle** — 60° (left), 60° (right), 40° (up), 60° (down)
- **Operating Temperature** — $0 \sim 50°$ C
- **VR Controls** — Brightness
- **Simultaneous Mode** — Yes
- **Backlight MTBF** — 50,000 hrs.

Last updated : 20-Mar-2006

Dimensions

Unit: mm (inch)

CUT-OUT DIM

393.8
285.5
310.5
366
287
75.5
92.4
364.5

Feature Details

You can reconfigure PPC-158T by OEM process. All available optional items are listed:

- CPU (Intel Pentium III or Intel Celeron) speed
- Memory size (168 pins, 2 slots)
- 2.5" HDD
- Front bezel without speakers
- Logo painting
- With/without PCMCIA
- With/without CD-ROM/Combo/DVD+/-RW
- Others OEM/ODM components are also welcome

Ordering Information

- **PPC-158T** **(Bare BOM: PPC-158T-BARE)**
  Panel PC with 15" TFT LCD display
  (resolution: 1024 x 768)
- **PPC-158T-RT** **(Bare BOM: PPC-158T-BARE-T)**
  PPC-158T with resistive touchscreen
- **PPC-158T-CT** **(Bare BOM: PPC-158T-BARE-C)**
  PPC-158T with capacitive touchscreen
- **PPC-120 STAND** Stand kit for PPC-158/154/153/150/123/120 series
- **PPC-150 SWINGARM** Swing arm kit for PPC-158/154/153/150 series
- **PPC-120 WL-MT** Wall mount kit for PPC-158/154/153/150/123/120 series
- **PPC-ARM-A02** VESA standard ARM for PPC-123/153/158 series