

TPC-1560T

Crusoe™ 5400 Touch Panel Computer with 15" XGA TFT LCD Display



Features

- 15" XGA TFT LCD with high luminance
- Slim and compact design with Al-Mg housings
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Windows® 2000/XP/CE
- Supports a PC/104-Plus expansion slot
- Fast docking design of 2.5" HDD module
- Downward I/O cabling
- Automatic data flow control RS-485

Introduction

With a high quality TFT LCD display, the TPC-1560T adopts the Transmeta™ Crusoe™ 5400 processor as its core. The Crusoe™ 5400 is a low power consuming, x86 compliant processor with 500 MHz operating frequency. This system can therefore be fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1560T a durable and reliable platform. For those applications where spindle-free storage is not critical, a fast-access HDD module can be used. A PCI-104 expansion slot is provided for PCI expansion capability in harsh environments.

Specifications

- **Construction** Al-Mg and plastic molding
- **Display** 15" XGA TFT LCD
- **CPU and Core Logic** Transmeta™ Crusoe™ 5400 (500 MHz)
- **BIOS** Award® 256KB
- **VGA** SMI® 721 VGA controller
- **DRAM** 128 MB on board, with 112 MB allocated for users
- **Storage** CompactFlash® memory card or 2.5" HDD
- **I/O** 3 serial ports (one configurable to RS-232/422/485) and RS-485 is auto flow controlled, 1 parallel port, 1 Ethernet port (10/100Base-T), 2 USB ports, 1 PS/2 port, 2 PCMCIA slots, 1 VGA port, MIC/ line out
- **Expansion** One 32-bit PCI 104 expansion slot
- **Watchdog Timer** 1.6 seconds interval
- **Power Input** 24 V_{DC}, 1 A maximum
- **Dimensions (W x H x D)** 383 x 307 x 55 mm (15.08" x 12.09" x 2.17")
- **Gross Weight** 3.8 kg (8.37 lbs)

LCD Display

- **Display Size (diagonal)** 15"
- **Max. Colors** 256 K or above
- **Resolution** 1024 x 768
- **Pixel Pitch (H x V)** 0.297 x 0.297 mm
- **Viewing Angle** 140°
- **Luminance** 350 cd/m²
- **Backlight** 4 CCFL
- **Contrast Ratio** 500
- **Boot-on-LAN support**
- **Windows® CE utility for LCD backlight control on touchscreen**

Touchscreen

- **Type** 4-wire, analog resistive
- **Resolution** Continuous
- **Light Transmission** Above 75%
- **Life** 1 million activation minimum at single point
- **Controller embedded on board, PS/2 interface**

Environmental Specifications

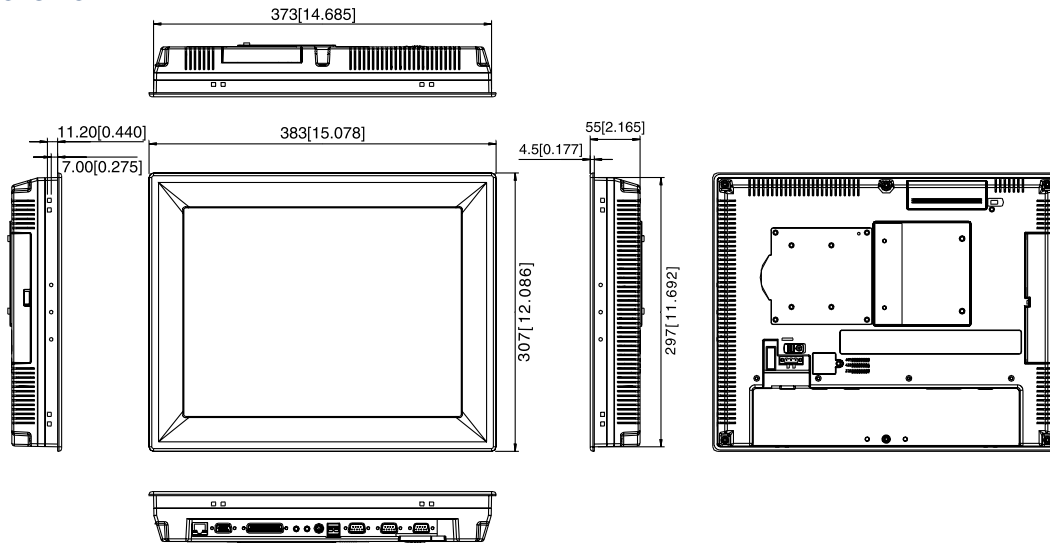
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Relative Humidity** 10 ~ 95% @ 40° C, non-condensing
- **EMI** FCC class A certified, BSMI certified
- **CE Certified**
- **Front panel meets NEMA4/IP65**

Ordering Information

- **TPC-1560T** 15" TFT LCD display touch panel computer with Crusoe™ 5400 CPU, 128 MB DRAM on board and resistive touchscreen
- **PS-DC24-50** 50 watts 24 V_{DC} output, 110/220 V_{AC} 50/60 Hz input power adapter
- **TPC-1560 STAND** TPC-1560T desktop stand
- **TPC-1560 WALLMT** TPC-1560T wall mounting kit
- **TPC-EXP-1560** TPC-1560T/1260T/TE two-slot PCI expansion kit

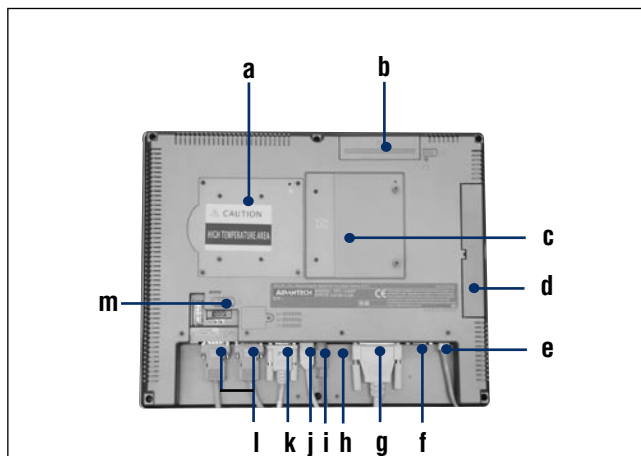
Dimensions

Unit: mm



Panel Cut-out Dimension: 373.5 x 297.5 mm

Rear View



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|---------------------------|--|
| a. CPU card cover | h. Audio jacks |
| b. HDD module | i. PS/2 ports |
| c. PCI-104 slot | j. USB port |
| d. CompactFlash® & PCMCIA | k. Auto flow control
RS-232/422/485 |
| e. Ethernet port | l. Serial ports |
| f. VGA port | m. Power switch |
| g. Parallel port | |

Optional Fieldbus PCI-104 Expansion Card

- Supports CANopen, DeviceNet™ or PROFIBUS™ by request