

# TPC-1560T

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



CE FCC

## Introduction

With a high quality TFT LCD display, the TPC-1560 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-1560 a durable and reliable platform. For those applications where spindle-free storage is not critical, a fast-access HDD module can be used. A PC/104-Plus 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 PC/104-Plus expansion slot
- **Watchdog Timer** 1.6 seconds interval
- **Power Input** 24 V<sub>DC</sub>, 1 A maximum
- **Dimensions (W x H x D)** 383 x 307 x 55 mm (15.08" x 12.09" x 2.17")
- **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/m<sup>2</sup>
- **Backlight** 4 CCFL
- **Contrast Ratio** 500
- **Boot-on-LAN support**
- **Windows® CE utility for LCD backlight control on touchscreen**

## Features

- 15" XGA TFT LCD with high luminance
- Slim and compact design with Al-Mg housings
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Remote manageability
- Supports Windows 9x/NT/2000/XP/Me/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

### 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

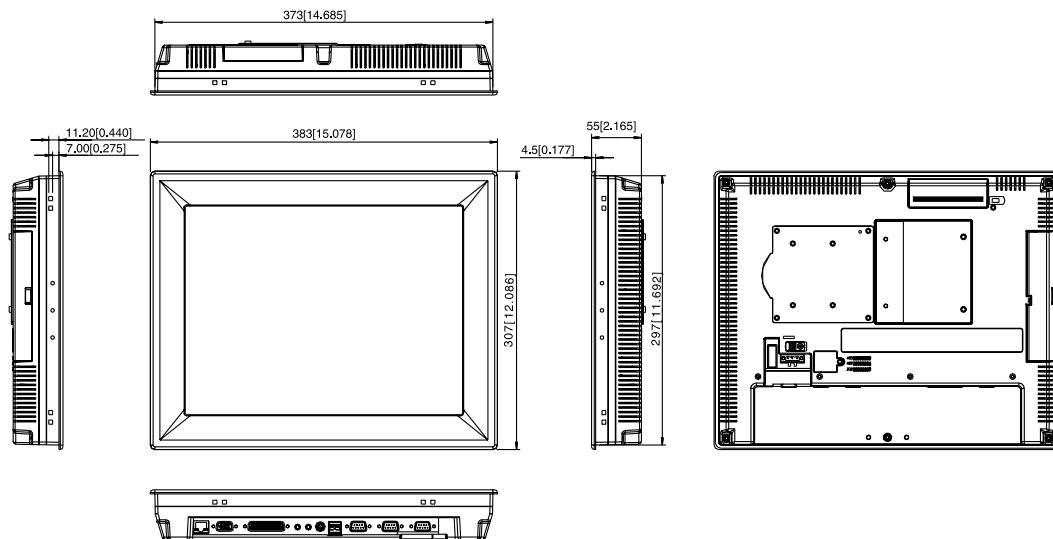
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4~ 140° F)
- **Relative Humidity** 10 ~ 95% @ 40° C, non-condensing
- **EMI** FCC class A certificated, BSMI certificated
- **CE Certificated**
- **Front panel meets NEMA4/IP65**

## Ordering Information

- **TPC-1560T** 15" TFT LCD display touch panel computer with Crusoe™ 5400 CPU, 128 MB DRAM on board and resistive touchscreen
- **TPC-1560T-CEN** 15" TFT LCD display touch panel computer with Crusoe™ 5400 CPU, 128 MB DRAM onboard and resistive touchscreen w/ 64 MB CF and Win CE / .NET
- **PS-DC24-50** 50 watts 24 V<sub>DC</sub> output, 110/220 V<sub>AC</sub> 50/60 Hz input power adapter
- **TPC-1560 STAND** TPC-1560 desktop stand
- **TPC-1560 WALLMT** TPC-1560 wall mounting kit
- **TPC-EXP-1560** TPC-1560/1260 two-slot PCI expansion kit
- **Thin-Client solution (MS RDP/Citrix ICA) by request**
- **Java Virtual Machine embedded by request**

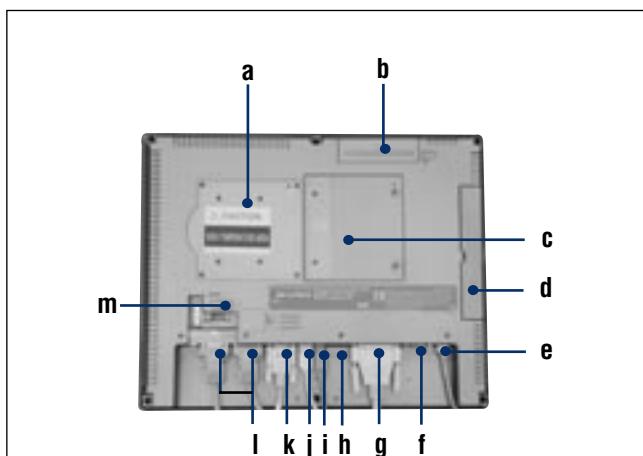
## Dimensions

Unit: mm



Panel Cut-out Dimension: 373.5 x 297.5 mm

## Rear View



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

## Optional Fieldbus PC/104-Plus Expansion Card

- Supports CANopen, DeviceNet or Profibus by request

