

# TPC-1560T

## Crusoe Touch Panel Computer with 15" XGA TFT Display



### Features

- 15" XGA TFT LCD with high luminance
- Slim and compact design with Al-Mg housings
- Fan-less cooling system
- NEMA4/IP65 compliant front panel
- Supports Windows 9x/NT/2000/Me/CE
- Supports Advantech HMI Software Package
- Supports a PC/104 plus expansion slot
- Fast docking design of 2.5" HDD module
- Downward I/O cabling

### Introduction

With high quality TFT LCD display, the TPC-1560 adopts the Transmeta Crusoe 5400 processor as the core. It is a low power consumption x86 compliant processor with 500MHz operating rate. This system is therefore designed to be fan-less though the kernel is as powerful as we can imagine. In addition, spindle-free storage makes TPC-1560 a durable and reliable platform. For those applications that the demand on spindle-free storage is not critical, the fast-access HDD module can be used. It also provides a PC/104 plus expansion slot for applications in harsh environments.

### Specifications

- **Construction:** Al-Mg and plastic molding
- **Display:** 15" XGA TFT LCD
- **CPU and core logic:** Transmeta® Crusoe™ 5400 (500MHz)
- **BIOS:** Award® 256KB
- **VGA:** SMI® 721 VGA controller
- **DRAM:** 128 MB on board, among which 112 MB for users
- **Storage:** CompactFlash™ memory card or 2.5" HDD
- **I/O:** 3 serial ports (one configurable to RS-232/422/485), 1 parallel port, 1 Ethernet port (10/100Base-T), 2 USB ports, 1 PS/2 port, 2 PCMCIA slots
- **Expansion:** one 32-bit PC/104 plus expansion slot
- **Watchdog timer:** 1.6 seconds interval
- **Power input:** 24V<sub>DC</sub>, 2A maximal
- **Dimension (WxHxD):** 383 x 307 x 55mm (15.08" x 12.09" x 2.17")
- **Weight:** 3.8 kg (8.37 lbs)

### LCD Specifications

Display type	TFT color LCD
Display size (diagonal)	15"
Max colors	16.77 million
Resolution	1024 x 768
Pixel pitch (HxV, mm)	0.297 x 0.297
Viewing angle (°)	140
Luminance (cd/m <sup>2</sup> )	350
Storage temperature (°C)	-20 ~ 60
Operating temperature (°C)	0-50
Backlight	4 CCFL
Contrast ratio	500

### Touchscreen

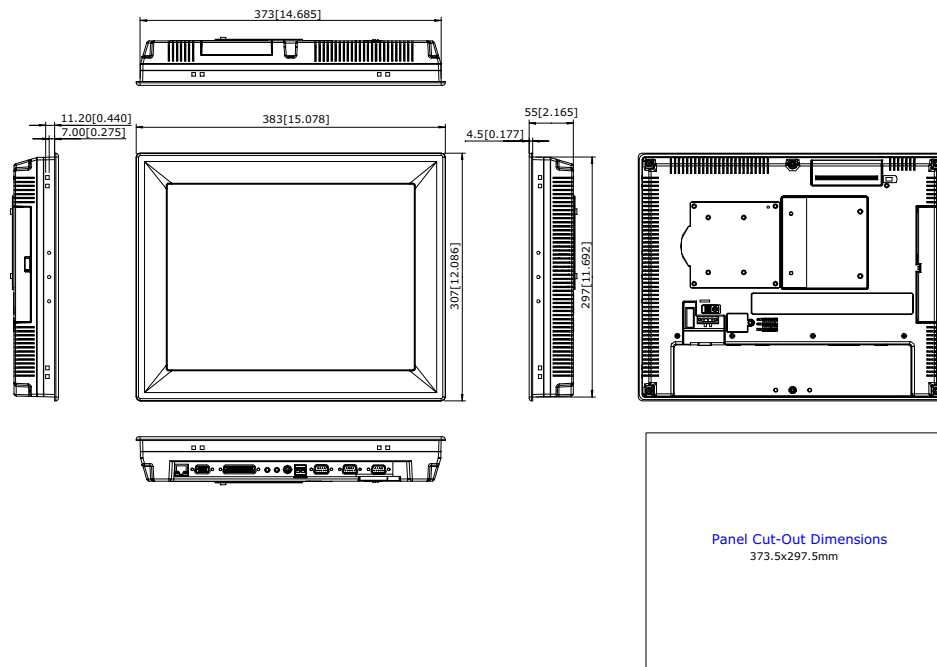
- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 75%
- **Life:** 100 million
- **Controller:** PS/2 interface

### Environmental Specifications

- **Operating temperature:** 0° ~ 50°C (32° ~ 122°F)
- **Relative humidity:** 10% ~ 95% @ 40°C, non-condensing
- **EMI:** FCC class A certificated, BSMI certificated
- **CE certificated**
- **Front panel meets NEMA4 / IP65**



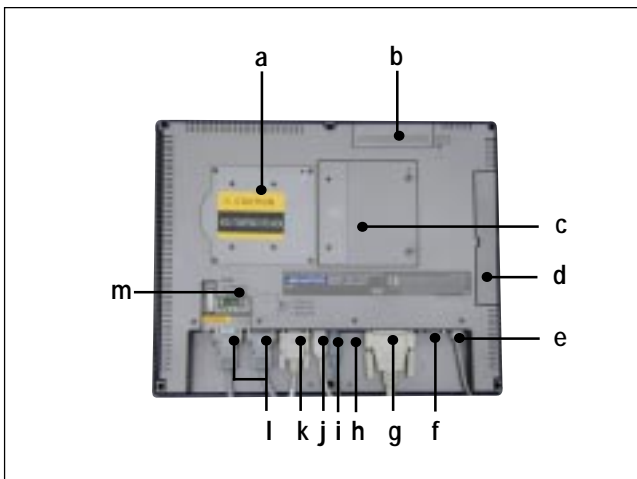
## Dimensions Drawing



Unit: mm

## Ordering Information

- **TPC-1560T:** 15" TFT LCD display touch panel computer with Crusoe 5400 CPU, and 128MB DRAM on board and resistive touchscreen
- **TPC-1560T-CE:** TPC-1560T with Windows CE 3.0 OS on 32MB CompactFlash™ memory card
- **TPC-1560 STAND:** TPC-1560 desktop stand assembly
- **PS-DC24-50:** 50 watts 24 V<sub>DC</sub> output, 110/220 V<sub>AC</sub> 50/60 Hz input power adapter



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|---------------------------|-------------------------------------|
| a. CPU card cover         | h. Audio jacks                      |
| b. HDD module             | i. PS/2 ports                       |
| c. PC/104+ slot           | j. USB                              |
| 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          |                                     |