

# TPC-1260T

## Crusoe Touch Panel Computer with 12.1" SVGA TFT Display



### Features

- 12.1" SVGA TFT LCD with high luminance
- Slim and compact design with Al-Mg housings
- Fan-less cooling system
- NEMA4/IP65 compliant front panel
- Supports Windows NT/2000/CE
- Supports Advantech HMI Software Package
- Supports a PC/104 plus expansion slot
- Supports 2.5" HDD (optional)

### Introduction

With high quality TFT LCD display, the TPC-1260 adopts the Transmeta Crusoe 5400 processor as the core. It is a low power consumption x86 compliant processor with 533MHz 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-1260 a durable and reliable platform. For those applications that the demand on spindle-free storage is not critical, optional 2.5" slim type HDD 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:** 12.1" SVGA TFT LCD
- **CPU and core logic:** Transmeta® Crusoe™ 5400 (533MHz)
- **BIOS:** Award® 256KB
- **VGA:** SMI® 710 VGA controller
- **DRAM:** 64 MB on board, among which 48 MB for users
- **Storage:** CompactFlash™ memory card or 2.5" HDD
- **I/O:** 4 serial ports (one configurable to RS-422/485), 1 parallel port, 1 Ethernet port (10/100Base-T), 1 USB port, 2 PS/2 ports
- **Expansion:** one 32-bit PC/104 plus expansion slot
- **Watchdog timer:** 1.6 seconds interval
- **Power input:** 24V<sub>DC</sub>, 3A maximal
- **Dimension (WxHxD):** 311 x 237 x 50mm (12.24" x 9.33" x 1.97")
- **Weight:** 2.2kg (4.85 lbs)

### LCD Specifications

Display type	TFT color LCD
Display size (diagonal)	12.1"
Max colors	256 K
Resolution	800 x 600
Pixel pitch (HxV, mm)	0.31 x 0.31
Viewing angle (°)	100
Luminance (cd/m <sup>2</sup> )	250
Storage temperature (°C)	-20 ~ 60
Operating temperature (°C)	0-50
Backlight	2 CCFL
Contrast ratio	100

### Touchscreen

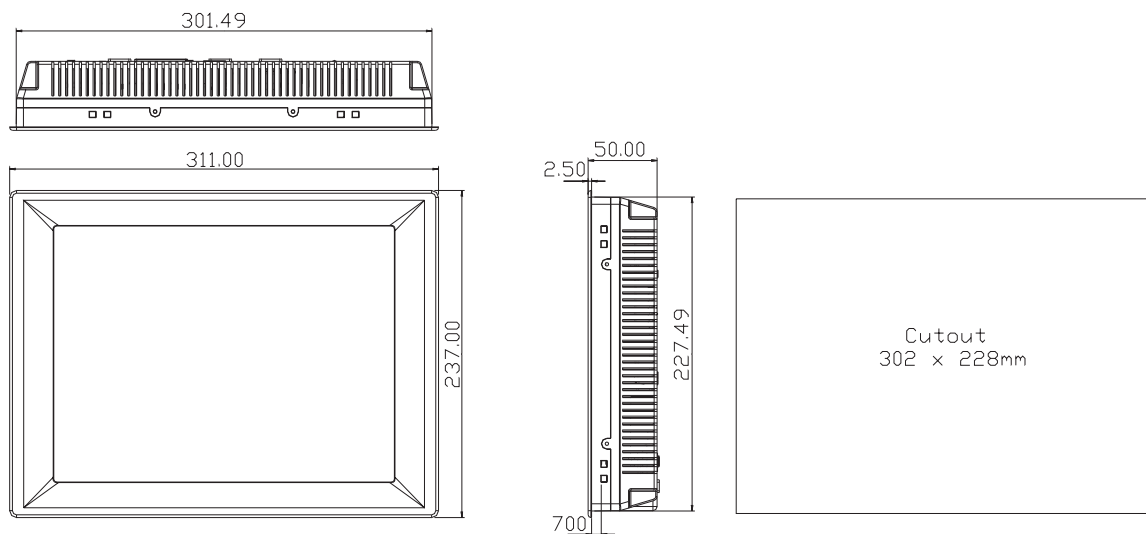
- **Type:** 4-wire, analog resistive
- **Resolution:** continuous
- **Light transmission:** above 68%
- **Life:** 1 million activation minimal
- **Controller:** PS/2 interface

### Environmental Specifications

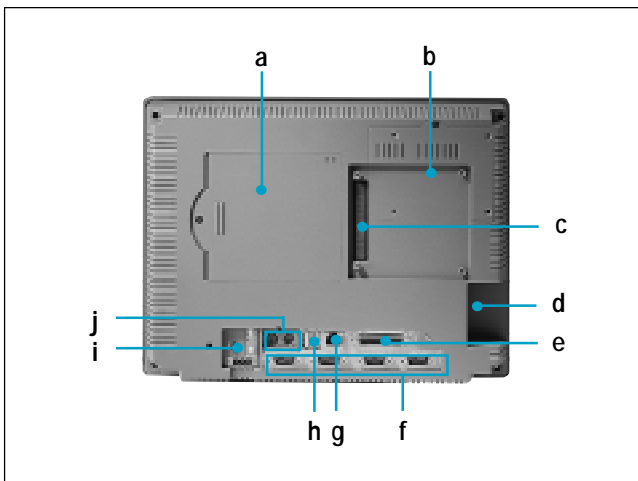
- **Operating temperature:** 0° ~ 45°C (32° ~ 113°F)
- **Relative humidity:** 10% ~ 95% @ 40°C, non-condensing
- **Shock (operation):** 10 G peak acceleration (11ms duration)
- **EMI:** FCC class A certificated
- **CE certificated**
- **Front panel meets NEMA4 / IP65**



Dimensions Drawing



Rear View



- |                       |                  |
|-----------------------|------------------|
| a. CPU card cover     | f. Serial ports  |
| b. 2.5" HDD           | g. Ethernet port |
| c. PC/104+ slot       | h. USB           |
| d. CompactFlash™ slot | i. Power switch  |
| e. Parallel port      | j. PS/2 ports    |

Ordering Information

- **TPC-1260T:**  
12.1" TFT LCD display touch panel computer with Crusoe 5400 CPU and 48MB DRAM on board
- **TPC-1260T-CE:** TPC-1260T with Windows CE 3.0 OS on 32MB CompactFlash™ memory card
- **TPC-1260T-GNI+:** Windows CE turn-key solution pack; TPC-1260T with Advantech HMI S/W package (TPC-1260T + 32MB CompactFlash™ card + Advantech HMI S/W package + Windows CE 3.0 OS)