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 housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- HDD kits for environments with extraordinary vibration
- Automatic data flow control RS-485
- Supports Windows 9x/NT/2000/CE
- Supports a PC/104-Plus expansion slot
- Supports 2.5" HDD (optional)

Introduction

With a 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 500 MHz operating rate. This system is therefore designed to be fanless 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 (500 MHz)
- **BIOS**: Award® 256KB
- **VGA**: SMI® 710/712 VGA controller
- **DRAM**: 128 MB on board, among which 112 MB for users
- **Storage**: CompactFlash™ memory card or 2.5" HDD(freely bundled HDD kit for environments with extraordinary vibration)
- **I/O**: 4 serial ports (one configurable to RS-422/485) and RS-485 is auto flow controlled, 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**: $24V_{DC}$, 0.8 A maximum
- **Dimensions (WxHxD)**: 311 x 237 x 50 mm (12.24" x 9.33" x 1.97")

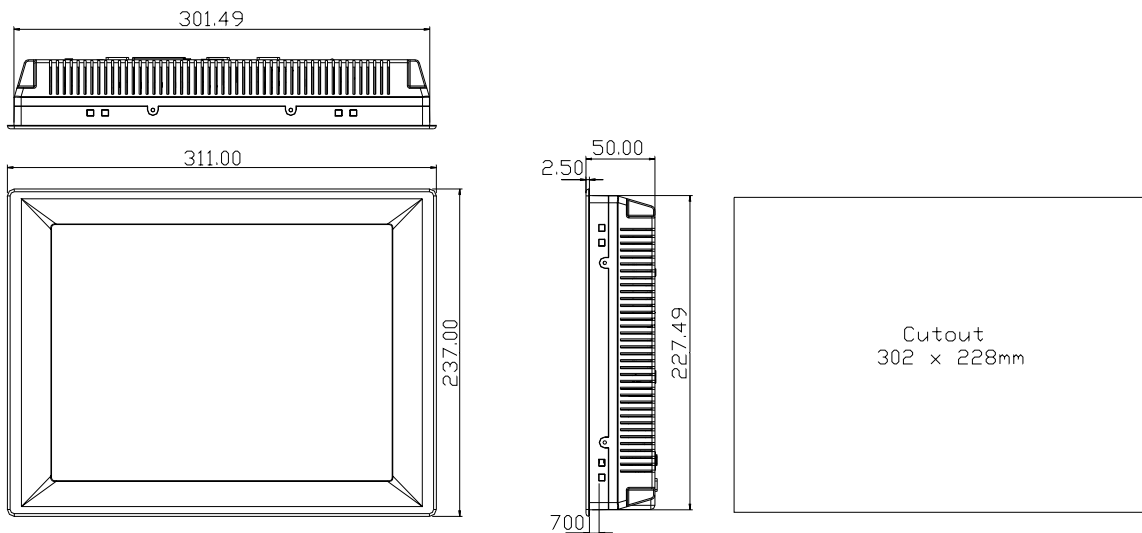| Display type	TFT color LCD (TPC-1260T)	TFT color LCD (TPC-1260TE)
Display size (diagonal)	12.1"	12.1"
Max colors	256 K	256 K
Resolution	800 x 600	800 x 600
Pixel pitch (HxV, mm)	0.31 x 0.31	0.31 x 0.31
Viewing angle (°)	100	90
Luminance (cd/m²)	250	100
Storage temperature (°C)	-20 ~ 60 (-4° ~ 140°F)	
Operating temperature (°C)	0 ~ 50 (32° ~ 122°F)	
Backlight	2 CCFL	1 CCFL
Contrast ratio	100	150

- **Weight**: 2.2kg (4.85 lbs)
- Boot-on-LAN support
- Wake-on-LAN support
- Remote file transfer
- C++ API for remote LCD backlight control
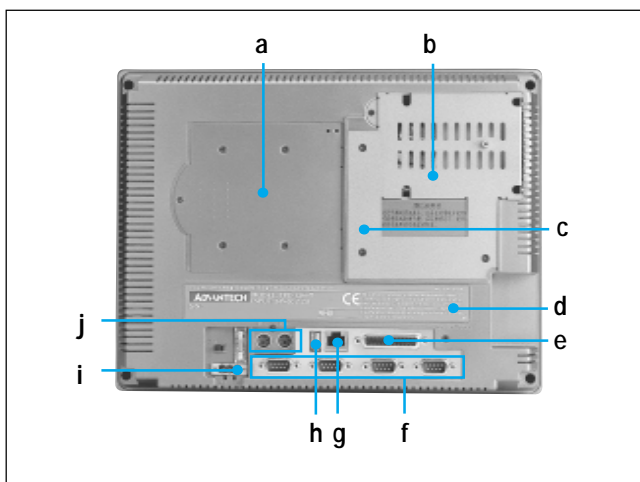- Remote power on/off control LCD Specifications

Touchscreen

- **Type**: 4-wire, analog resistive
- **Resolution**: continuous
- **Light transmission**: above 75%
- **Life**: 100 million activation minimum

CE FCC

Dimensions Drawing

301.49

311.00

237.00

50.00

2.50

227.49

700

Cutout
302 x 228mm

WebLink
WebOIT

1

IPPC &
AWS

2

TPC

3

FPM

4

IPC

5

INET

6

DA&C

7

ADAM-
3000

8

ADAM-
4000

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ADAM-
5000

10

ADAM-
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Software

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UNO-
2000

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3000

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

Environmental Specifications

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

Ordering Information

❑ **TPC-1260T:**
12.1" TFT LCD display touch panel computer with Crusoe 5400 CPU, and 128 MB DRAM on board

❑ **TPC-1260TE**:
12.1" commercid grade TFT LCD display touch panel computer with Crusoe 5400 CPU, and 128 MB DRAM on board

❑ **TPC-1260TE-X**:
TPC-1260T-TE without touchscreen

❑ **TPC-1260T-CE**:
TPC-1260T with Windows CE 3.0 OS on 32 MB CompactFlash™ memory card