TPC-1260H

Crusoe™ 5800 Touch Panel Computer with 12.1" SVGA TFT LCD Display

Features

- Transmeta Crusoe 5800 1GHz processors on board
- 12.1" SVGA TFT LCD
- Super slim and compact design with Al-Mg housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Windows® XP/2000/CE.NET/ XP Embedded
- Downward I/O cabling
- Automatic data flow control RS-485

Introduction

With a high quality TFT LCD display, TPC-1260H is designed with the Transmeta™ Crusoe™ 5800 processor as its core. The Crusoe™ 5800 is a low power consuming x86 compliant processor with 1 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1260H a durable and reliable platform. For applications where spindle-free storage is not critical, a fast-access HDD module can be used. Two PCMCIA slots and a PC/104-Plus slot are provided for expansion capability in harsh environments. A rich I/O portfolio meets diverse requests.

Specifications

General

- **BIOS** — Award® 256 KB
- **Certifications** — CCC, CE, FCC, UL
- **Cooling System** — Fanless design
- **Dimensions (WxHxD)** — 311 x 237 x 58 mm (12.24" x 9.33" x 2.29")
- **Enclosure** — Al-Mg and ABS
- **Mounting** — Desktop, swing arm or wall (with mounting kit)
- **OS Support** — Microsoft Windows XP/2000/CE .NET/ XP Embedded
- **Power Consumption** — 45 W
- **Power Input** — 24 V_{DC}
- **Watchdog Timer** — 1.6 sec (system)
- **Weight (Net)** — 3.1 kg (6.84 lb)

System Hardware

- **Audio Ports** — 1 x MIC-in, 1 x Line-in, 1 x Line-out
- **CPU** — 1 GHz Transmeta™ Crusoe™ 5800
- **Expansion Slots** — 1 x PC/104-Plus
  1 x CompactFlash® slot
  2 x PCMCIA
- **Graphics Controller** — SMI® 721
- **Keyboard/Mouse Ports** — 1 x PS/2
- **LAN** — 1 x 10/100/1000Base-T
- **Memory** — 256 MB DDR SDRAM (up to 512 MB), with 240 MB (up to 496 MB) allocated for users
- **Parallel Ports** — 1 x Parallel port
- **Serial Ports** — 1 x RS-232/422/485 (autoflow control on RS-485)
  3 x RS-232
- **Storage** — 1 x CompactFlash® card, or
  1 x 2.5" HDD (option)
- **USB Ports** — 2 x USB V 2.0
- **Video Ports** — 1 x VGA

LCD Display

- **Backlight Life** — 50,000 hrs
- **Contrast Ratio** — 1:500
- **Display Size** — 12.1"
- **Display Type** — SVGA TFT LCD
- **Luminance cd/m^2** — 350
- **Max. Colors** — 256 K
- **Max. Resolution** — 800 x 600
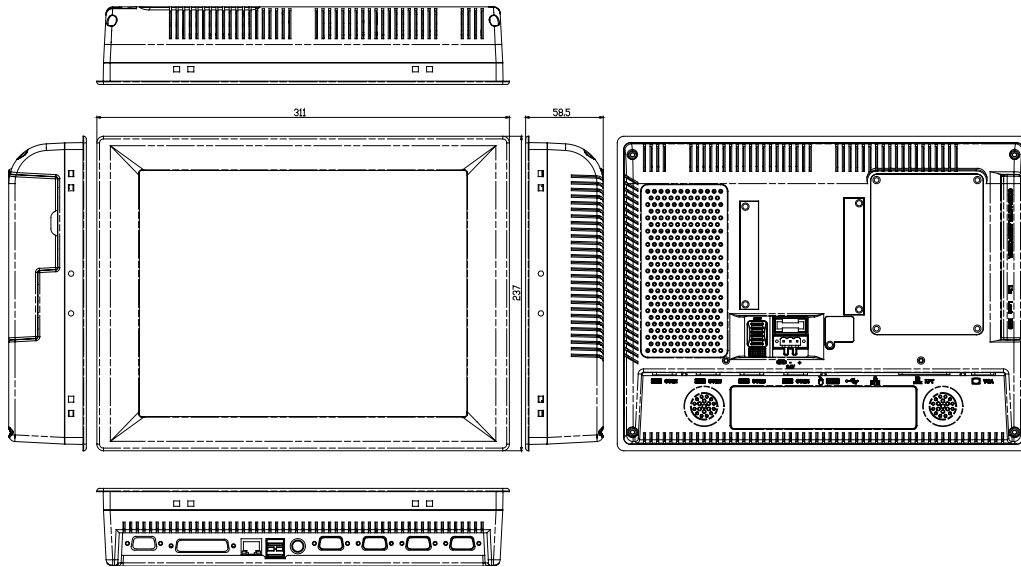- **Viewing Angle** — 120°

Touchscreen

- **Lifespan** — 1 million touches at single point
- **Light Transmission** — Above 75%
- **Pixel Pitch (H x V)** — 0.3075 x 0.3075 mm
- **Resolution** — 1024 x 1024
- **Type** — 8-wire, analog resistive

Environment

- **Humidity** — 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** — Front panel: NEMA4, IP65
- **Operating Temperature** — 0 ~ 50° C (32 ~ 122° F)
- **Vibration Protection** — With CompactFlash®: 2 grms (5 ~ 500 Hz)
  With HDD: 0.25 grms (5 ~ 500 Hz) (X - Axis)
  0.5 grms (5 ~ 500 Hz) (Y - Axis)
  1 grms (5 ~ 500 Hz) (Z - Axis)
  (Operating, random vibration)

ADVANTECH **Touch Panel Computers**

Dimensions

Unit: mm

311

58.5

237

Ordering Information

- **TPC-1260H-A1**   12.1" high luminance TFT LCD display touch panel computer with Crusoe™ 5800 1 GHz CPU and 256 MB DDR SDRAM
- **TPC-1260H-A5**   12.1" high luminance TFT LCD display touch panel computer with Crusoe™ 5800 1 GHz CPU and 512 MB DDR SDRAM

Accessories

- **PS-DC24-50**   50 W, 24 V_{DC} output, 110 V/220 V_{AC} 50/60 Hz input power adapter
- **TPC-1260H STK**   TPC-1260H stand kit
- **TPC-1260H WMK**   TPC-1260H wall mount kit

Rear View

Speaker x 2

PC/104-Plus

CompactFlash® x 1

PCMCIA x 2

Audio x 3

COM1

COM5

COM3

COM4

PS2 x 1

USB 2.0 x 2

LPT x 1

VGA x 1

10/100/1000Base-T Ethernet x 1