

TPC-1780H

TPC-1770H

**17" SXGA TFT LCD Core™ 2 Duo
L7400 Touch Panel Computer**

**17" SXGA TFT LCD Celeron® M
Touch Panel Computer**



Introduction

With a high quality TFT LCD display, TPC-1780H/TPC-1770H is designed with the Intel® Core™ 2 Duo L7400/Intel® Celeron® M processor as its core. The Intel® Core™ 2 Duo/Intel® Celeron® M has low power consumption and 1.5/1 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1780H/TPC-1770H a durable and reliable platform. For applications where spindle-free storage is not critical, a fast-access HDD module can be used. The rich I/O portfolio meets diverse requests.

Specifications

General

- **BIOS** Award® 4 MB
- **Certifications** BSMI, CCC, CE, FCC Class A, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 414 x 347.5 x 93 mm (16.3" x 13.68" x 3.66")
- **Enclosure** Front bezel: Die-cast Aluminum alloy
Back housing: PC/ABS Resin
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Microsoft® WES 7/XP/WES/WinCE 5.0/6.0
(WES7 only for TPC-1780H)
- **Power Consumption** 100 W Typical
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1 ~ 255 sec (system)
- **Weight (Net)** 8 kg (17.64 lbs)

System Hardware

- **CPU** TPC-1780H: Intel® Core™ 2 Duo L7400 1.5 GHz
TPC-1770H: Intel® Celeron® M 1 GHz 512k cache
- **Chipset** TPC-1780H: Intel® 945GME + ICH7
TPC-1770H: Intel® 915GME + ICH6M
- **Memory** TPC-1780H: 2GB SO-DIMM DDR2 SDRAM, Up to 4 GB
TPC-1770H: 1GB 240pin DIMM DDR2 SDRAM
- **LAN** 10/100/1000Base-T x 2
- **Expansion Slots** PCI-104 (Up to 1 unit, Optional)
RS-422/485 (Optional)
- **Storage** CompactFlash® slot x 1
2.5" SATA HDD x 1(optional)
- **I/O** RS-232 x 3 (COM1, 3, 4)
USB 2.0 x 4 (Host)
PS/2 Keyboard x 1, PS/2 Mouse x 1
VGA x 1
MIC-in x 1, Line-in x 1, Line-out x 1

LCD Display

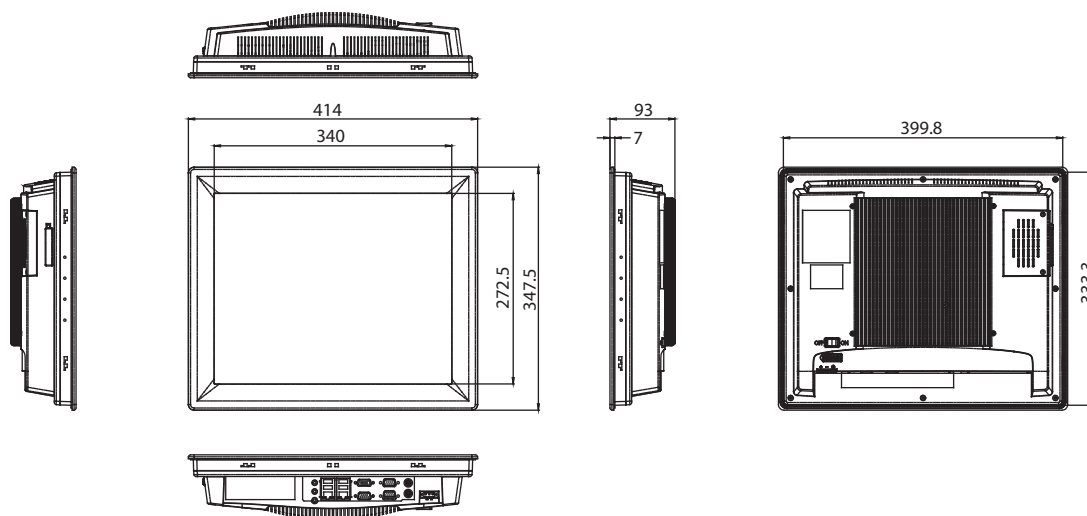
- **Display Type** SXGA TFT LCD
- **Display Size** 17"
- **Max. Resolution** 1280 x 1024
- **Max. Colors** 16.7 M
- **Luminance cd/m²** 300
- **Viewing Angle (H/V°)** 160/160
- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 800:1

Touchscreen

- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Resolution** Linearity
- **Type** 8-wire, analog resistive
- **Environment**
- **Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: IP65
- **Operating Temperature** 0 ~ 55°C (32 ~ 131°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Vibration Protection** With HDD: 1 Grms (5 ~ 500 Hz)
(Operating, random vibration)

Dimensions

Unit: mm



Panel Cut-out Dimensions: 400.8 x 334.3 mm (16.03" x 13.37")

Ordering Information

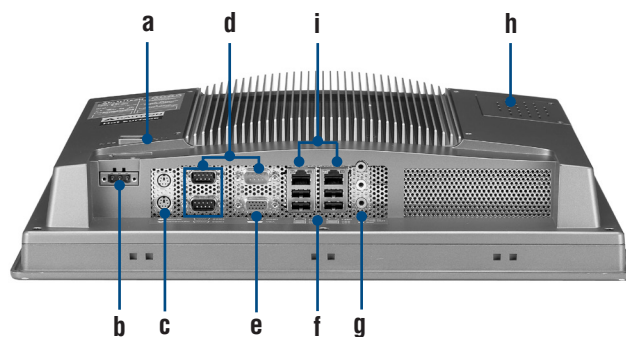
- **TPC-1780H-P3AE** 17" SXGA Touch Panel PC, Core™ 2 Duo L7400, 2 GB
- **TPC-1770H-C2BE** 17" SXGA Touch Panel PC, Celeron® M 1 GHz, 1 GB

Accessories

- **TPC-1000H-WMKE** TPC series wallmount kit from 10" to 17"
- **TPC-1000H-SMKE** TPC series stand kit from 10" to 17"
- **PWR-244-AE** 24V 110W AC-DC Power Adapter

* VESA support via a wall mounting kit

Rear View



- a. Power Switch, Fuse
- b. Power Receptor
- c. PS/2
- d. COM (RS-232)
- e. VGA
- f. USB 2.0

- g. Audio (Line-In, Line-Out, MIC)
- h. 2.5" SATA HDD Housing
- i. LAN (10/100/1000)