TPC-1570H

15" XGA TFT LCD Pentium® M/ Celeron® M Touch Panel Computer



Features

- Intel® Pentium® M / Celeron® M processor up to 1.4 GHz on board
- 15" XGA TFT LCD
- Compact design with die-cast Al front bezel
- Fanless cooling system
- IP65 approved front panel
- Supports Microsoft® Windows® XP/XPe/CE
- Automatic data flow control RS-485
- Gigabit Ethernet supported

Introduction

With a high quality TFT LCD display, TPC-1570H is designed with the Intel Pentium M 1.4 GHz/Celeron® M 1 GHz processor as its core. The Intel Pentium M/Celeron has low power consumption and 1.4 GHz/1 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1570H 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, UL
- **Cooling System** Fanless design
- **Dimensions (W x H x D)** 383 x 307 x 64.5 mm (15.08" x 12.09" x 2.54")
- **Enclosure** Front bezel: Die-cast Aluminum alloy
  Back housing: PC/ABS Resin
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Windows XP/XPe/CE*
- **Power Consumption** 42 W (typical)
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1 ~ 255 sec (system)
- **Weight (Net)** 5 kg (11.02 lbs)

System Hardware

- **CPU** TPC-1570H-P2AE: Pentium M 1.4GHz with 2M cache
  TPC-1570H-C2AE: Celeron M 1GHz with 512K cache
  TPC-1570H-B2AE: Celeron 600MHz with 512K cache
- **Chipset** TPC-1570H-P2AE: Intel 855GME + ICH4
  TPC-1570H-C2AE: Intel 855GME + ICH4
  TPC-1570H-B2AE: Intel 852GM
- **Memory** 1GB SO-DIMM DDR SDRAM
- **LAN** TPC-1570H-P2AE/C2AE: 10/100Base-T x 1,
  10/100/1000Base-T x 1
  TPC-1570H-B2AE: 10/100Base-T x 2
- **Expansion Slots** PCMCIA x 1
- **Storage** CompactFlash® slot x 1
  2.5" SATA HDD x 1 (SATA1 optional)
- **I/O** RS-232 x 2 (COM1, 3)
  RS-232/422/485 x 1 (COM4) with auto data flow control
  USB 2.0 x 2
  PS/2 Keyboard/Mouse x 1
  Parallel Port x 1
  VGA x 1
  MIC-in x 1, Line-in x 1, Line-out x 1

LCD Display

- **Display Type** XGA TFT LCD
- **Display Size** 15"
- **Max. Resolution** 1024 x 768
- **Max. Colors** 262 K
- **Luminance cd/m²** 350
- **Viewing Angle (H/V°)** 120/100
- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 500 : 1

Touchscreen

- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Resolution** Linearity
- **Type** 8-wire, analog resistive

Environment

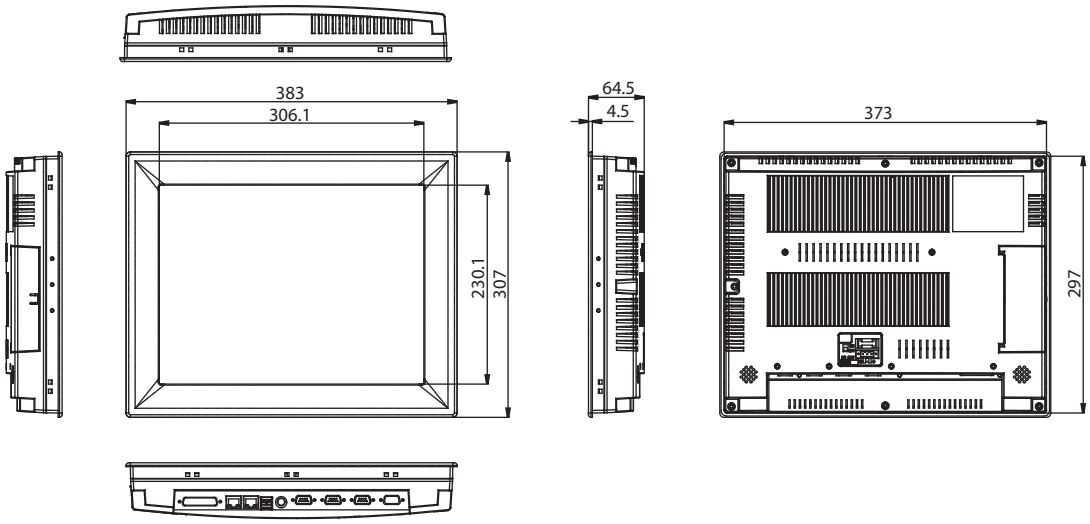
- **Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: IP65
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Vibration Protection** With HDD: 1 Grms (5 ~ 500 Hz)
  (Operating, random vibration)

Ordering Information

- **TPC-1570H-P2AE** 15" XGA Touch Panel PC, Pentium M 1.4 GHz, 1GB
- **TPC-1570H-C2AE** 15" XGA Touch Panel PC, Celeron M 1 GHz, 1GB

Dimensions

Unit: mm

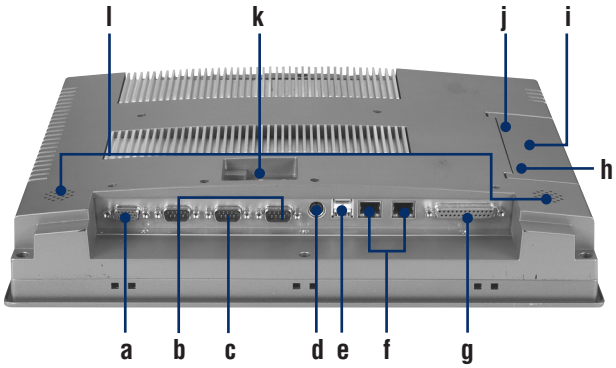


Panel Cut-out Dimensions: 374.5 x 298.5 mm

Accessories

- **TPC-1000H-WMKE** TPC series wallmount kit from 10" to 17"
- **TPC-1000H-SMKE** TPC series stand kit from 10" to 17"
- **1757003463** 100-240V_{AC} to 19V_{DC} 90W Power Adapter
- **1700001524** Power Cord 3P UL 10A 125V 1.8M
- **2070009775** XPe MUI V3.25.001
- **2070010258** WES 2009 MUI V3.30.003
- **2070009784** WinCE 6.0 MUI V3.01.113
- **2070000737** WinCE 5.0 English language V2.01.102

Rear View



a. VGA
b. COM (RS-232)
c. COM (RS-232/422/485)
d. PS/2
e. USB 2.0
f. LAN (10/100/1000)
g. LPT
h. Audio (MIC, Line-Out, Line-in)
i. PCMCIA
j. CompactFlash
k. Power Switch, Fuse (3.15A), Power Receptor
l. Speaker

* Windows XPe supports 10 lanquages with MUI. (English, Traditional Chinese, Simplifed Chinese, French, German, Spanish, Russian, Italian, Japanese and Korean)