

# TPC-1570H

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



### Features

- Intel® Pentium® M processor up to 1.4 GHz on board
- 15" XGA TFT LCD
- Compact design with die-cast Al front bezel
- Fanless cooling system
- NEMA4/IP65 compliant 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: ABS + PC
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Windows XP/XPe/CE\*
- **Power Consumption** 42 W (typical)
- **Power Input** 18 ~ 32 V<sub>DC</sub>
- **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/m<sup>2</sup>** 350
- **Viewing Angle (H/V°)** 120/100
- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 500 : 1

#### Touchscreen

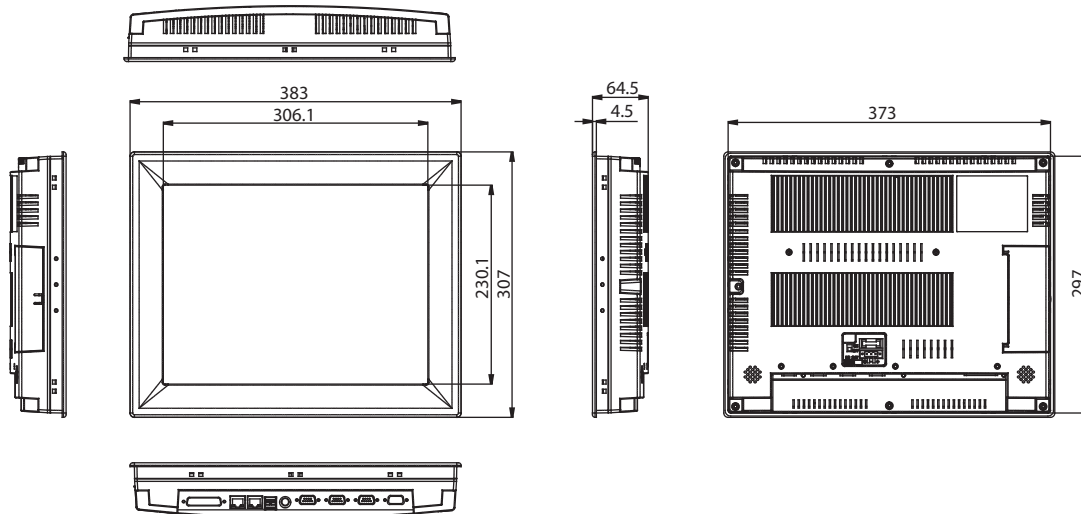
- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Resolution** Linearity
- **Type** 8-wire, analog resistive

#### Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, 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)

## Dimensions

Unit: mm



**Panel Cut-out Dimensions: 374.5 x 298.5 mm**

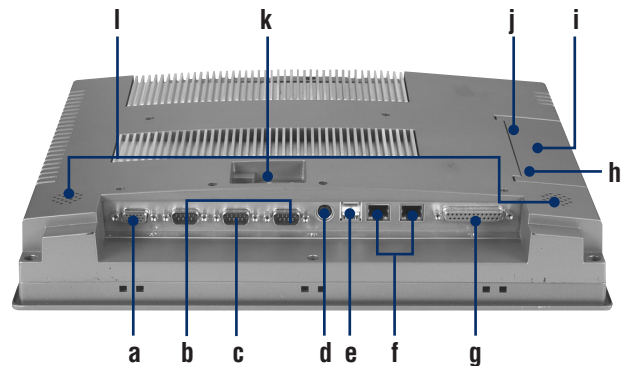
## Ordering Information

- **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
- **TPC-1570H-B2AE** 15" XGA Touch Panel PC, Celeron M 600 MHz, 1GB

## Accessories

- **TPC-1570H-SMKE** TPC-1570H Desktop Stand
- **TPC-1570H-WMKE** TPC-1570H Wallmount Kit
- **1757003463** 100-240V<sub>ac</sub> to 19V<sub>dc</sub> 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 languages with MUI. (English, Traditional Chinese, Simplified Chinese, French, German, Spanish, Russian, Italian, Japanese and Korean)