

# TPC-1570H

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



### Features

- Intel® Pentium® M Processor up to 1.4 GHz on board
- 15" XGA TFT LCD
- Compact design with Al-Mg housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows® XP/2000/CE and WinXPe
- Automatic data flow control RS-485
- Giga Ethernet and fast Ethernet supported

### Introduction

With a high quality TFT LCD display, TPC-1570H is designed with the Intel Pentium M 1.4GHz/Celeron M 1GHz processor as its core. The Intel Pentium M/Celeron M has low power consumption and 1.4GHz/1GHz 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 65 mm (15.08" x 12.09" x 2.56")
- **Enclosure** Front bezel: Al-Mg  
Back housing: ABS + PC
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Microsoft Windows XP/2000/CE and WinXPe
- **Power Consumption** 60 W
- **Power Input** 18 ~ 32 V<sub>DC</sub>
- **Watchdog Timer** 1 sec (system)
- **Weight (Net)** 5.5 kg (12.13 lb)

#### System Hardware

- **Audio Ports** 1 x MIC-in, 1 x Line-in, 1 x Line-out
- **CPU** TPC-1570H-P1E: Pentium M 1.4GHz with 2M cache  
TPC-1570H-C1E: Celeron M 1GHz non-cache  
TPC-1570H-A1E: Celeron M 1GHz with 512K cache  
TPC-1570H-B1E: Celeron 600MHz with 512K cache
- **Expansion Slots** 1 x CompactFlash® slot  
1 x PCMCIA
- **Graphics Controller** Intel 855GME: TPC-1570H-P1E  
TPC-1570H-C1E  
TPC-1570H-A1E  
Intel 852GM: TPC-1570H-B1E
- **Keyboard/Mouse Ports** 1 x PS/2
- **LAN** 1 x 10/100/1000Base-T, 1 x 10/100/1000Base-T  
(TPC-1570H-P1E/C1E/A1E)  
2 x 10/100Base-T (TPC-1570H-B1E)
- **Memory** 512 MB DDR SDRAM (up to 1 GB)
- **Parallel Ports** 1 x Parallel port

- **Serial Ports** 2 x RS-232 and 1 x RS-232/485/422
- **Storage** 1 x 2.5" PATA HDD (optional)
- **USB Ports** 2 x USB 2.0
- **Video Ports** 1 x VGA

#### LCD Display

- **Backlight Life** 50,000 hrs
- **Contrast Ratio** 500:1
- **Display Size** 15"
- **Display Type** XGA TFT LCD
- **Luminance cd/m<sup>2</sup>** 350
- **Max. Colors** 262 K
- **Max. Resolution** 1024 x 768
- **Viewing Angle (H/V)** 120/100

#### Touchscreen

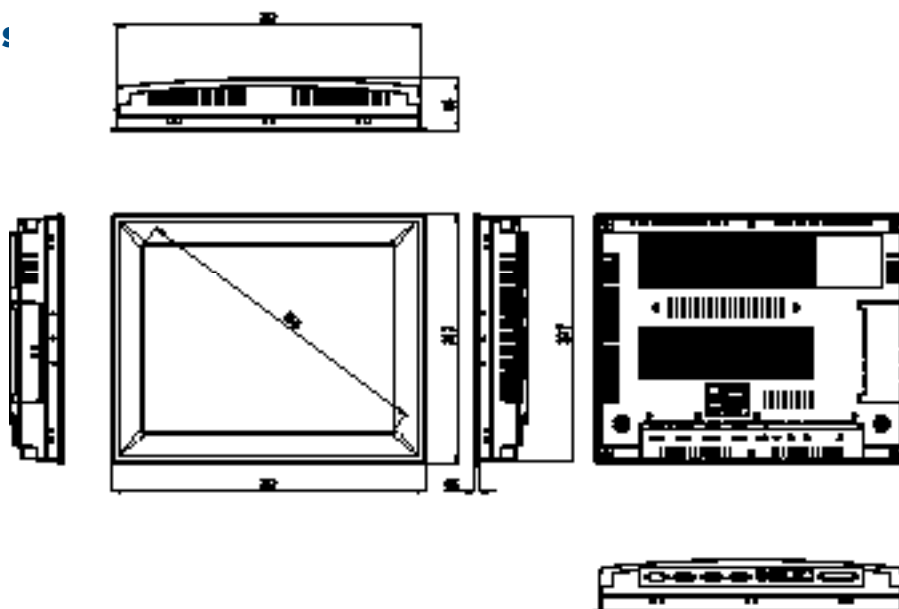
- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Pixel Pitch (H x V)** 0.3075 x 0.3075 mm
- **Resolution** 1024 x 1024
- **Type** 8-wire, analog resistive

#### Environment

- **Humidity** 10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Operating Temperature** 0 ~ 50° C (32 ~ 122° F)
- **Storage Temperature** -20 ~ 60° C (-4 ~ 140° F)
- **Vibration Protection** With HDD: 1 grms (5 ~ 500 Hz)  
(Operating, random vibration)

## Dimensions

Unit: mm



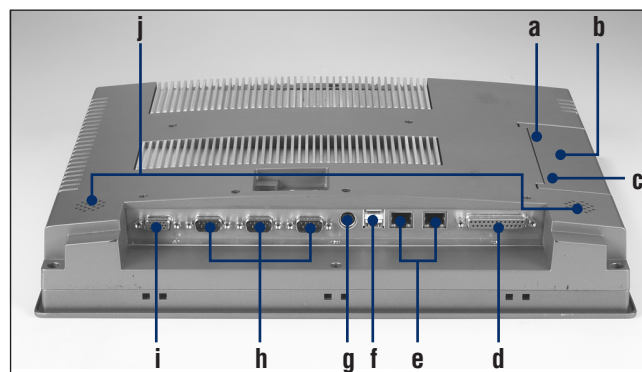
Panel Cut-out Dimensions: 375 x 299 mm

## Ordering Information

- **TPC-1570H-A1E** 15" TFT LCD Display TPC with Intel Celeron M 1 GHz CPU, 512 K cache, 512 MB DDR SDRAM
- **TPC-1570H-B1E** 15" TFT LCD Display TPC with Intel Celeron M 600MHz CPU, 512 K cache, 512 MB DDR SDRAM
- **TPC-1570H-C1E** 15" TFT LCD Display TPC with Intel Celeron M 1 GHz CPU, Non-cache, 512 MB DDR SDRAM
- **TPC-1570H-P1E** 15" TFT LCD Display TPC with Intel Pentium M 1.4 GHz CPU, 2MB cache, 512 MB DDR SDRAM
- **TPC-1570H-SMKE** TPC-1570H desktop stand
- **TPC-1570H-WMKE** TPC-1570H wallmount kit

## Rear View

### TPC-1570H



- a. CompactFlash Slot x 1
- b. PCMCIA x 1
- c. Audio x 3
- d. LPT x 1
- e. LAN x 2
- f. USB x 2
- g. PS2 x 1
- h. COM x 3
- i. VGA x 1
- j. Speaker x 2