

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 Al-Mg front bezel
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows XP/CE and WinXPe
- 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: Al-Mg
Back housing: ABS + PC
- **Mounting** Desktop, Wall or Panel Mount
- **OS Support** Windows XP/CE and WinXPe
- **Power Consumption** 42 W (typical)
- **Power Input** 18 ~ 32 V_{DC}
- **Watchdog Timer** 1 sec (system)
- **Weight (Net)** 5 kg (11.02 lbs)

System Hardware

- **Audio Ports** 1 x MIC-in, 1 x Line-in, 1 x Line-out
- **CPU** TPC-1570H-P1E Pentium M 1.4 GHz with 2 M cache
TPC-1570H-C1E Celeron M 1 GHz non-cache
TPC-1570H-B1E Celeron 600 MHz with 512 K cache
- **Expansion Slots** 1 x CompactFlash® slot
1 x PCMCIA
- **Graphics Controller** Intel 855GME: TPC-1570H-P1E
TPC-1570H-C1E
Intel 852GM: TPC-1570H-B1E
- **Keyboard/Mouse Ports** 1 x PS/2
- **LAN** 1 x 10/100Base-T, 1 x 10/100/1000Base-T
(TPC-1570H-P1E/C1E)
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 (COM1, 3)
1 x RS-232/422/485 (COM4)

- **Storage** 1 x 2.5" PATA HDD (optional)
- **USB Ports** 2 x USB 2.0
- **Video Ports** 1 x VGA

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

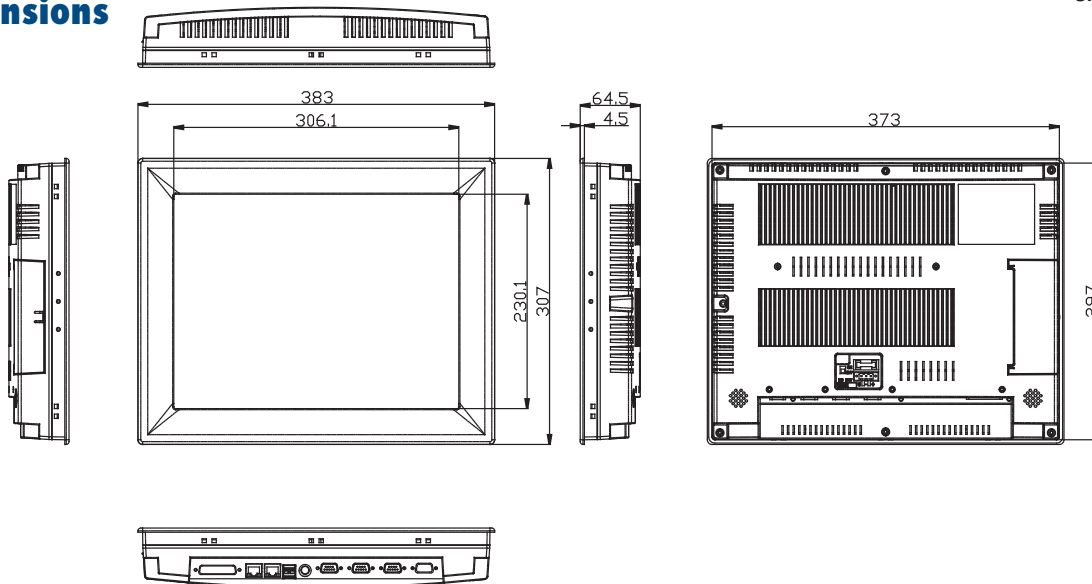
- **Lifespan** 1 million touches at single point
- **Light Transmission** Above 75%
- **Resolution** Linearity
- **Type** 8-wire, analog resistive

Environment

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

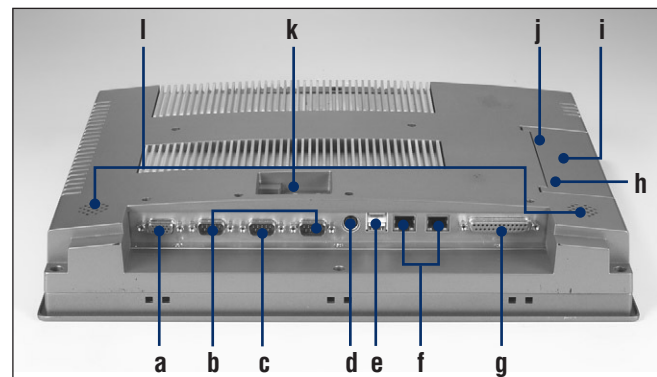


Panel Cut-out Dimensions: 374.5 x 298.5 mm

Ordering Information

- **TPC-1570H-P1E** 15" XGA TFT LCD with Intel Pentium M 1.4 GHz CPU, 512 MB DDR SDRAM
- **TPC-1570H-P2E** TPC-1570H-P1E with 1 GB DDR SDRAM
- **TPC-1570H-C1E** 15" XGA TFT LCD with Intel Celeron M 1 GHz CPU, 512 MB DDR SDRAM
- **TPC-1570H-C2E** TPC-1570H-C1E with 1 GB DDR SDRAM
- **TPC-1570H-B1E** 15" XGA TFT LCD with Intel Celeron M 600 MHz CPU, 512 MB DDR SDRAM
- **TPC-1570H-SMKE** TPC-1570H Desktop Stand
- **TPC-1570H-WMKE** TPC-1570H Wallmount Kit
- **1757001317** 19 V 72 W AC-DC Power Adapter

Rear View



- a. VGA
- b. COM (RS-232)
- c. COM (RS-232/422/485)
- d. PS/2
- e. USB 2.0
- f. LAN (10/100,1G)
- g. LPT
- h. Audio (MIC, Line-Out, Line-in)
- i. PCMCIA
- j. CompactFlash
- k. Power Switch, Fuse (3.15A), Power Receptor
- l. Speaker

1
TPC

2
IPPC

3
FPM

4
UNO

5
Ethernet Switch

6
Device Server

7
Serial COM

8
DAQ

9
CompactPCI

10
Signal Conditioning

11
USB DAQ

12
Motion Control I/O

13
PAC & Software

14
RS-485 I/O

15
Ethernet I/O

16
BAS