

# TPC-1270H

Intel® Pentium® M/Celeron® M Touch Panel Computer with 12.1" SVGA TFT LCD

NEW



## Features

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

## Introduction

With a high quality TFT LCD display, TPC-1270H is designed with the Intel Pentium M 1.4 GHz/Celeron M 1 GHz processor as its core. The Intel Pentium M/Celeron M 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-1270H 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)** 311 x 237 x 65 mm (12.24" x 9.33" x 2.56")
- Enclosure** Front bezel: Al-Mg  
Back housing: Al alloy die-casting
- Mounting** Desktop, Wall or Panel Mount
- OS Support** Microsoft Windows XP/2000 and WinXPe
- Power Consumption** 60 W
- Power Input** 18 ~ 32 V<sub>DC</sub>
- Watchdog Timer** 1 sec (system)
- Weight (Net)** 3.5 kg (7.72 lb)

### System Hardware

- Audio Ports** 1 x MIC-in, 1 x Line-out
- CPU** Intel Pentium M 1.4 GHz/Celeron M 1 GHz
- Expansion Slots** 1 x CompactFlash® slot  
1 x PCI-104 Slot
- Graphics Controller** Intel 915 GME
- LAN** 1 x 10/100Base-T, 1 x 10/100/1000Base-T (TPC-1270H-P1E)  
2 x 10/100Base-T (TPC-1270H-C1E)
- Memory** 512 MB DDR2 SDRAM
- Serial Ports** 3 x RS-232 and 1 x RS-232/485/422
- Storage** 1 x CompactFlash card (optional), or  
1 x 2.5" SATA HDD (optional)
- USB Ports** 4 x USB 2.0
- Video Ports** 1 x VGA

### LCD Display

- Backlight Life** 50,000 hrs
- Contrast Ratio** 500:1
- Display Size** 12.1"
- Display Type** SVGA TFT LCD
- Luminance cd/m<sup>2</sup>** 350
- Max. Colors** 262 K
- Max. Resolution** 800 x 600
- Viewing Angle (H/V)** 140/120

### Touchscreen

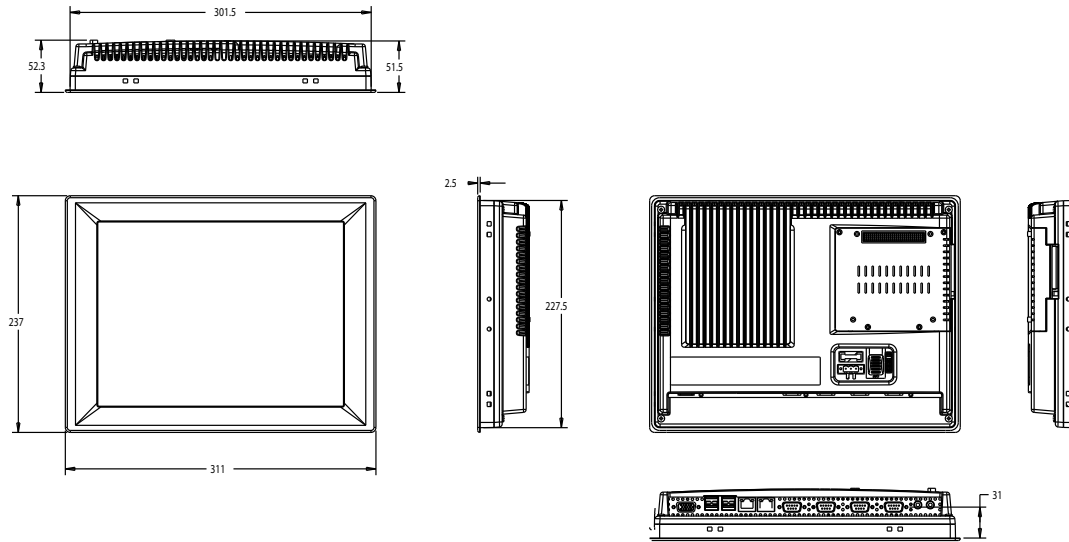
- Lifespan** 1 million touches at single point
- Light Transmission** Above 75%
- Pixel Pitch (H x V)** 0.3075 x 0.3075 mm
- Resolution** 1024 x 1024
- Type** 8-wire, analog resistive

### 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 ~ 70° C (-4 ~ 158° F)
- Vibration Protection** With CompactFlash: 2 grms (5 ~ 500 Hz)  
With HDD: 1 grms (5 ~ 500 Hz)  
(Operating, random vibration)

## Dimensions

Unit: mm



**Panel Cut-out Dimensions: 312.5 x 228.5 mm**

## Ordering Information

- **TPC-1270H-P1E** 12.1" TFT LCD Display TPC with Intel Pentium M 1.4 GHz CPU, 512 MB DDR SDRAM
- **TPC-1270H-C1E** 12.1" TFT LCD Display TPC with Intel Celeron M 1 GHz CPU, 512 MB DDR SDRAM

## Accessories

- **TPC-1260 STAND** TPC-1261H desktop stand
- **TPC-1260 WALLMT** TPC-1261H wallmount kit

1  
PAC & Software

2  
BAS

3  
UNO

4  
RS-485 I/O

5  
Ethernet I/O

6  
TPC

7  
IPPC

8  
FPM

9  
AWS

10  
Plug-in I/O

11  
CompactPCI

12  
Signal Conditioning

13  
USB I/O

14  
Motion Control I/O

15  
Ethernet Switch

16  
EDG

17  
ICOM