TPC-1070H
TPC-870H

10.4" SVGA TFT LCD Celeron® M Touch Panel Computer

8" VGA TFT LCD Celeron® M Touch Panel Computer

Features

- Intel® Celeron M 1 GHz processor
- 10.4" SVGA TFT LCD
- Compact design with die-cast housing
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows XP/XPe/CE
- Downward I/O cabling
- Automatic data flow control RS-485
- Dual Fast Ethernet supported

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Introduction

With a high quality TFT LCD display, TPC-1070H/870H is designed with the Intel Celeron® M 1 GHz processor as its core. The Intel Celeron M has has low power consumption and 1 GHz operating frequency. This system is fanless although the kernel is powerful. In addition, spindle-free storage makes the TPC-1070H/870H 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)** — 286 x 226 x 58 mm (11.26" x 8.9" x 2.28")
- **Enclosure** — Die-cast Aluminum alloy
- **Mounting** — Desktop, Wall or Panel Mount
- **OS Support** — Windows XP/XPe/CE*
- **Power Consumption** — TPC-1070H: 41 W (typical)
  TPC-870H: 33 W (typical)
- **Power Input** — 18 ~ 32 V_{DC}
- **Watchdog Timer** — 1 sec (system)
- **Weight (Net)** — 3.5 kg (7.72 lbs)

System Hardware

- **CPU** — TPC-1070H-C1E: Intel Celeron M 1 GHz non-cache
  TPC-870H-C1E: Intel Celeron M 1 GHz non-cache
- **Chipset** — Intel 852GM + ICH4
- **Memory** — 512 MB onboard DDR SDRAM
- **LAN** — TPC-1070H-C1E: 10/100Base-T x 2
  TPC-870H-C1E: 10/100Base-T x 2
- **Expansion Slots** — PCI-104 x 1
- **Storage** — CompactFlash® slot x 1
  2.5" PATA HDD x 1 (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

LCD Display

	TPC-1070H	TPC-870H
Display Type	SVGA TFT LCD	VGA TFT LCD
Display Size	10.4"	8"
Max. Resolution	800 x 600	640 x 480
Max. Colors	260 K	64 K
Luminance cd/m²	400	350
Viewing Angle (H/V°)	140/110	130/120
Backlight Life	50,000 hrs	50,000 hrs
Contrast Ratio	500 : 1	250 : 1

Touchscreen

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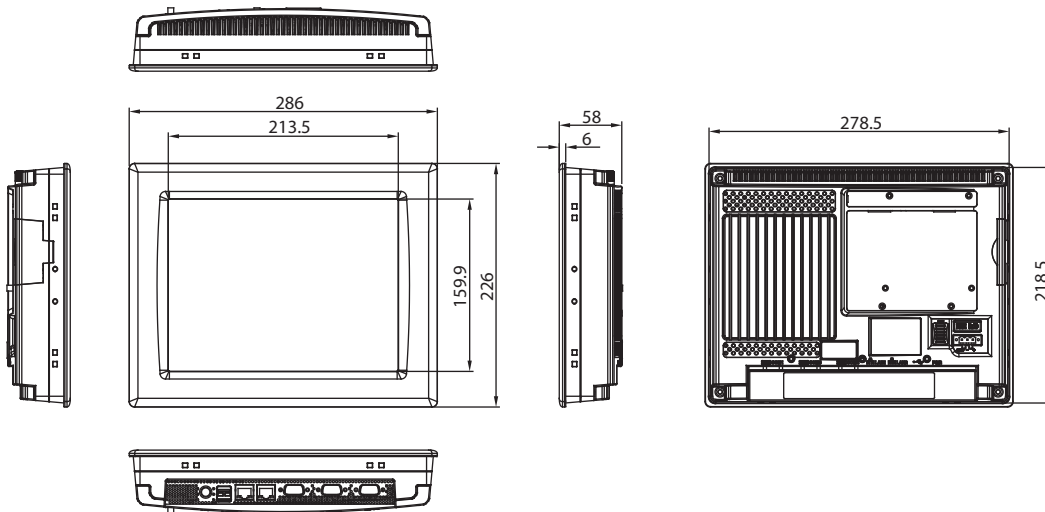- **Type** — 8-wire, analog resistive

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
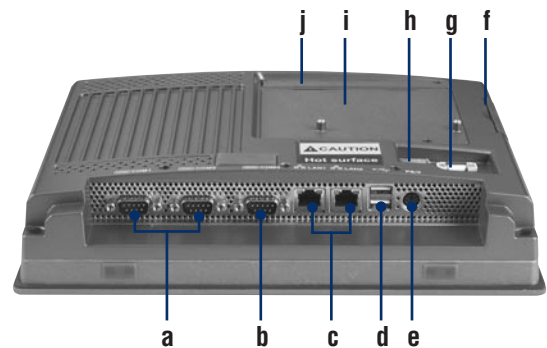
TPC-1070H

286
213.5
58
6
278.5
159.9
226
218.5

Panel Cut-out Dimensions: 279.5 x 219.5 mm

Notes: TPC-870H features same dimension with 8" LCD panel

Ordering Information

- **TPC-1070H-C1E** — 10.4" SVGA Touch Panel PC, Celeron M 1 GHz, 512 MB
- **TPC-870H-C1E** — 8" VGA Touch Panel PC, Celeron M 1 GHz, 512 MB
- **TPC-1070H-SMKE** — TPC-1070H/870H Desktop Stand
- **TPC-1070H-WMKE** — TPC-1070H/870H Wallmount Kit
- **TPC-1270H-EPKE** — TPC Series PC/PCI-104 Extension Kit
- **PWR-247-AE** — 24 V 50 W AC-DC Power Adapter

Rear View

j i h g f

a b c d e

a. COM (RS-232)
b. COM (RS-232/422/485)
c. LAN (10/100/1000)
d. USB 2.0
e. PS/2

f. CompactFlash
h. Power Switch, Power Receptor
i. HDD Cover
g. Fuse (3.15A)
j. PCI-104

* Windows XPe supports 10 lauquaqes with MUI. (English, Traditiond Chinese, Simplified Chinese, Freneh, German, Spanish, Russian, Italian, Japanese and Korean)