TPC-1070H

10.4" SVGA 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

Introduction

With a high quality TFT LCD display, TPC-1070H 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 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	41 W (typical)
Power Input	18 ~ 32 V_{DC}
Watchdog Timer	1 sec (system)
Weight (Net)	3.5 kg (7.72 lbs)

System Hardware

CPU	Intel Celeron M 1 GHz non-cache
Chipset	Intel 852GM + ICH4
Memory	512 MB onboard DDR SDRAM
LAN	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

Display Type	SVGA TFT LCD
Display Size	10.4"
Max. Resolution	800 x 600
Max. Colors	260 K 64 K
Luminance cd/m²	400
Viewing Angle (H/V°)	140/110
Backlight Life	50,000 hrs
Contrast Ratio	500 : 1250 : 1

Touchscreen

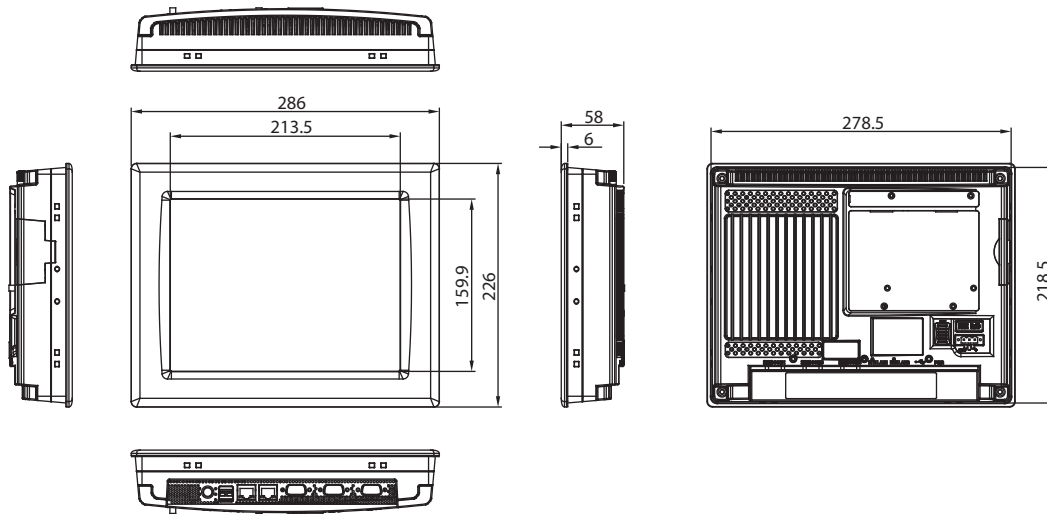|	
Lifespan	1 million touches at single point
Light Transmission	Above 75%
Resolution	Linearity
Type	8-wire, analog resistive

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

TPC-1070H

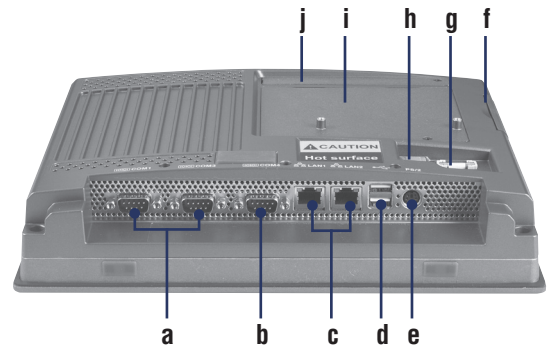286
213.5
58
6
278.5
159.9
226
218.5

Panel Cut-out Dimensions: 279.5 x 219.5 mm

Ordering Information

- **TPC-1070H-C1E**   10.4" SVGA TPC, 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