TPC-1770H

17" SXGA TFT LCD Celeron® M Touch Panel Computer

NEW

Features

- Intel® Celeron® M Processor up to 1 GHz on board
- 17" SXGA TFT LCD
- Compact design with Die-cast Al alloy front bezel
- Fanless cooling system
- NEMA4/IP65 compliant front panel
- Supports Microsoft® Windows Vista (32-bit), XP 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-1770H is designed with the Intel Celeron M 1 GHz processor as its core. The Intel Celeron M 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-1770H 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)	414 x 347.5 x 93 mm (16.3" x 13.68" x 3.66")
Enclosure	Front bezel: Die-Casting Aluminum alloy
	Back housing: ABS + PC
Mounting	Desktop, Wall or Panel Mount
OS Support	Microsoft Windows XP/CE and WinXPe
Power Consumption	100 W Typical
Power Input	18 ~ 32 V_{DC}
Watchdog Timer	1 sec (system)

System Hardware

Audio Ports	1 x MIC-in, 1 x Line-out, 1 x Line-in
CPU	Intel Celeron M 1 GHz
Expansion Slots	1 x CompactFlash® slot
Graphics Controller	Intel 915 GME
Keyboard/Mouse Ports	1 x KB, 1 x Mouse
LAN	2 x 10/100/1000Base-T
Memory	512MB DDR2 SDRAM
Serial Ports	3 x RS-232
Storage	1 x 2.5" SATA HDD (optional)
USB Ports	4 x USB 2.0
Video Ports	1 x VGA

LCD Display

Display Type	SVGA TFT LCD
Display Size	17"
Max. Resolution	1280 x 1024
Max. Colors	16.7 M
Luminance cd/m2	300
Viewing Angle (H/V°)	160/160
Backlight Life	50,000 hrs
Contrast Ratio	800:1

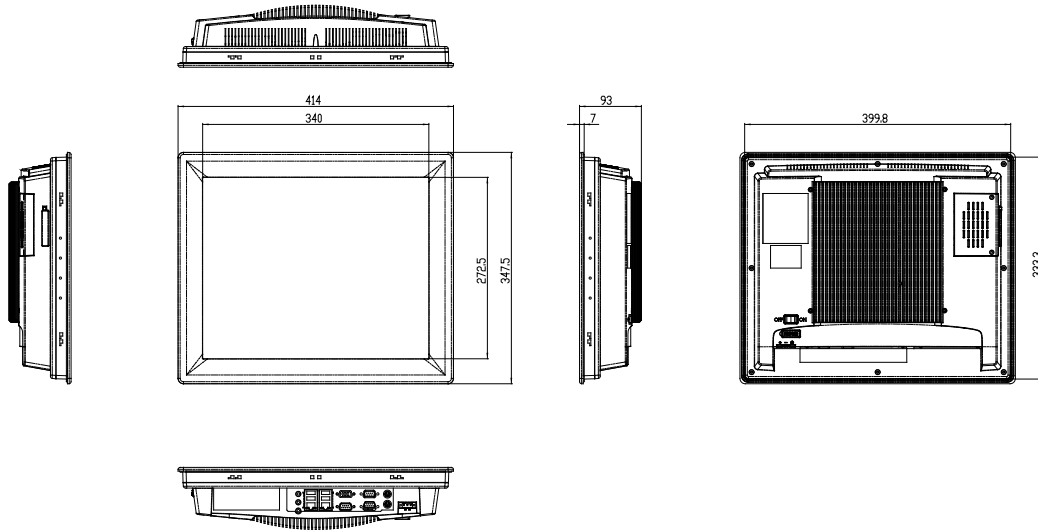### Touchscreen

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)

Last updated: 20-May-2008

Dimensions

Unit: mm

414
340

93
7

399.8

272.5
347.5

333.3

Panel Cut-out Dimensions: 400.8 x 334.3 mm

Ordering Information

- **TPC-1770H-C1AE**   17" SXGA TFT LCD with Intel Celeron M 1 GHz CPU,
512 MB DDR2 SDRAM