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® XP/XPe and WinCE
- Downward I/O cabling
- Gigabit 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 XP/XPe and WinCE
- **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**   SXGA 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%
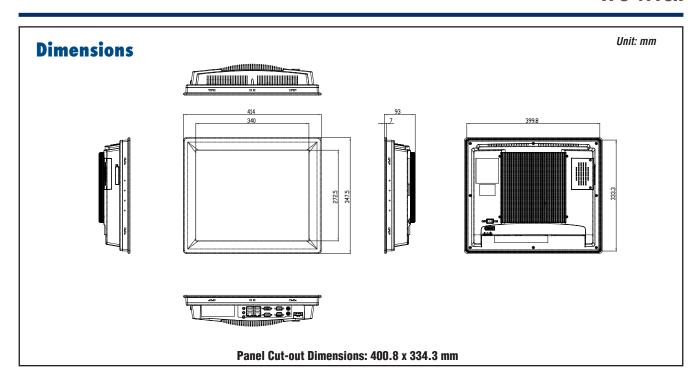- **Resolution**   Linearity
- **Type**   8-wire, analog resistive

Environment

- **Humidity**   10 ~ 95% RH @ 40° C, non-condensing
- **Ingress Protection**   Front panel: NEMA4, IP65
- **Operating Temperature**   0 ~ 45° C (32 ~ 113° F)
- **Storage Temperature**   -20 ~ 60° C (-4 ~ 140° F)
- **Vibration Protection**   With HDD: 1 grms (5 ~ 500 Hz)
  (Operating, random vibration)

ADVANTECH | **Touch Panel Computers**

Dimensions

Unit: mm

414
340
272.5
347.5
93
7
399.8
333.3

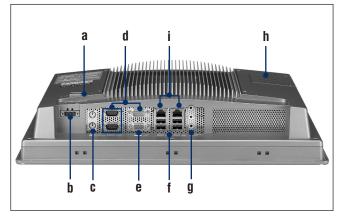**Panel Cut-out Dimensions: 400.8 x 334.3 mm**

Ordering Information

- **TPC-1770H-C1AE** 17" SXGA TFT LCD with Intel Celeron M 1 GHz CPU, 512 MB DDR2 SDRAM
- **9688244000** 24V 110W AC-DC Power Adapter

Rear View

a   d   i   h
b   c   e   f   g

a. Power Switch, Fuse
b. Power Receptor
c. PS/2
d. COM (RS-232)
e. VGA
f. USB 2.0
g. Audio (Line-In, Line-Out, MIC)
h. 2.5" SATA HDD Housing
i. LAN (10/100/1000)