HMI Controller

8" Fanless Industrial Touch Panel Computer

AHM-6085

RoHS

DESCRIPTION

The AHM-6085 is a compact, panel-mount industrial fanless touch panel computer with 8" TFT LCD (400 cd/m^2). The AHM-6085 is powered by an Intel Celeron M 600MHz processor. It is available with Compact Flash and 2.5" hard disk drive, 256MB SO-DIMM DDR memory up to 1GB, 2 serial ports, 2 USB2.0 ports, audio, GbE Ethernet port, DC 10.8~28V wide-ranging power input with AC Universal power adapter, and standard with sealed 4-wire resistive touch screen via internal RS-232 port. This compact touch panel computer with fanless design is ideal for use as HMI at all levels of automation control.

FEATURES

- 8" High Brightness TFT LCD (400 cd/m^2), long life-time display, support 640 x 480 resolution
- Intel Celeron M 600MHz processor
- 1 x SO-DIMM DDR memory socket, up to 1GB
- 10.8~28V DC wide-ranging power input
- NEMA 4/IP 65 compliant front panel
- 4-wire resistive touch screen
- VR preset LCD dimming control
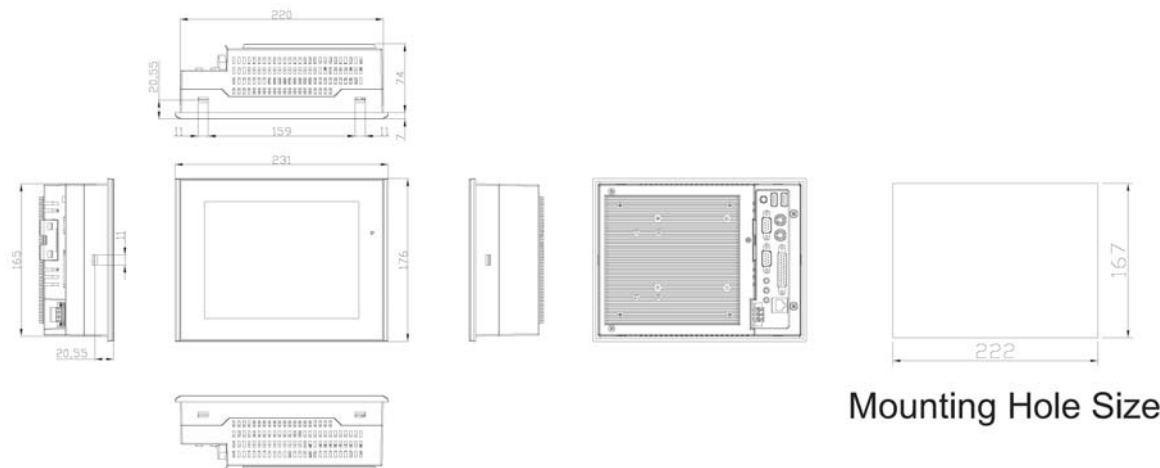- Supports panel mount

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8" Fanless Touch Panel Computer — AHM-6085

Dimensions

Mounting Hole Size

Display Specifications

Display	8" TFT LCD Panel
Luminance	400 cd/m2
Viewing Angle	65 degrees (L/R), 55U/65D
Resolution & maximum colors	640x480 & 262K
Contrast Ratio	250 : 1

General Specifications

Construction	Plastic molding housing
Front Panel Color	Black
CPU	Socket 479 for Celeron M 600MHz
Touch Screen	4-wire analog resistive type
Power Input	DC 11V~30V
DRAM	256MB (1 x SO-DIMM DDR Socket) up to 1GB
Storage	2.5" HDD or Extra CF Adapter PCB (TB-501)
I/O Connectors	COM1 (RS-232) COM2 (RS-232/422/485) COM3 (RS-232) COM4 (RS-232) 2 x USB2.0 (Type A), 4 x USB2.0 (pin header, PH2.0 2x5 10 pins) PS/2 port: 1 x keyboard, 1 x mouse Ethernet port: RJ-45 supporting 10/100Mbps Base-T Audio: AC'97 Codec, Line-in, Line-out, Mic VGA port 1 x CF slot IDE: 1 x PH2.0 2x22 pin header, 44-pin IDE port & 1 x SATA port
Dimensions	231(W) x 74(D) x 176mm(H)
Weight	1.4kg/3.09 lbs

Environment Specifications

Operating Temperature	0~50 degrees C
Storage Temperature	-20~60 degrees C
Relative Humidity	10%~90% @ 50 degrees C, non-condensing
Vibration	5~17, 0.1" double amplitude displacement, 17~640Hz, 1.5G acceleration peak to peak
Shock	10 to 25Hz (X,Y,Z direction 2G, 30 minutes)
Ratings	NEMA 4/IP65 compliant front panel
Certifications	CE and FCC Class A

Ordering Information

AHM-6085	8" Fanless Touch Panel Computer w/Resistive Touch Screen