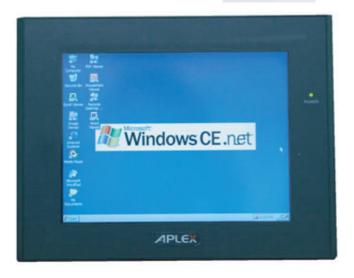# HMI Controller

8" Industrial Fanless Touch Panel Computer

AHM-6081

DESCRIPTION

The AHM-6081 comes with the most reliable and stable design as it includes a fanless and low-power consumption CPU for embedded solution. Thus, it is suitable for such applications as transportation, etc. as it can withstand vibration. In addition, it is bundled with Windows CE.NET, which forms a bridge that lets the AHM-6081 be an open HMI solution for system integration. Several interfaces, such as USB, RS-232/422/485, Ethernet, etc., are also available.

FEATURES

- Fanless and low-power consumption Intel Xscale PXA270 CPU
- 8" SVGA color TFT LCD
- Windows CE.net(ver.5.0) 128MB onboard memory
- Slim and compact size design
- CompactFlash card Slot
- NEMA 4/IP65 compliant front panel
- USB 1.1 host x 2
- Sealed resistive touch screen
- The OS supports multi-language

* The interpretation of the numerals is found on the right side of this page.

Display Specifications

Display	8" TFT LCD
Luminance	400 cd/m2
Viewing Angle	130 degrees (R/L)
Resolution	800x600
Backlight	CCFL x 1

General Specifications

Construction	Plastic molding housing
Front Panel Color	Black
CPU	Intel Xscale PXA270, 400MHz
Touch Screen	4-wire analog resistive type
Power Input	0.8A at 12/24V DC
I/O Connectors	COM1 (RS-232/422/485) COM2 (RS-232) PS/2 port for keyboard or mouse USB 1.1 Host x 2 Ethernet port Lin-out x 1/Mic-in x 1 DC 24V power input AC Adapter
Memory Bank	128MB onboard SDRAM CF slot for application software
Dimensions	231(W) x 50(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