

HMI Controller

12.1" RISC-based Human Machine Interface

AHM-6121

Features

- Fanless ARM 9 based Intel Xscale PXA255 processor
- 12.1" High brightness (400cd/m²) TFT LCD with resolution of 800x600
- Onboard with DRAM, Flash & SRAM memory banks
- One Ethernet port 10/100 base-T supported
- CompactFlash Type I/II card
- NEMA 4/IP65 compliant front panel
- USB 1.1 host and 1.1 client supported
- Sealed resistive touch screen
- SMI SM501 companion chip supports dual panel mount and Support Panel / VESA 75 mount

Display Specifications

LCD	12.1" SVGA 800x600
Luminance	400 cd/m ²
Viewing angle	130/110°(H/V)
Backlight Lifetime	50,000 hrs

Mechanical Specifications

Construction	Plastic molding front panel and metal housing
Front Panel Color	Black
CPU	Intel Xscale PXA255, 400MHz
DRAM	128M DRAM, 1MB SRAM with battery backup, 32MB Flash for operating system CF slot for application software
Power Supply	DC 11~28V
Touch Screen	Analog resistive
I/O ports	COM1 (RS-232/422/485), COM2 (RS-232), 1xPS/2 keyboard & mouse, 1 x LAN port, USB Client 1.1 and Host 1.1, 1 x External VGA, 1 x speaker out, 1 x Mic, CF slot
Dimensions	317(W)x243(H)x50(D)mm
OS Support	Microsoft Windows CE 4.2 / 5.0

Environment Specifications

Operating Temperature	0~50°C
Storage Temperature	-20~60°C
Relative Humidity	10~90% @50°C non-condensing
Vibration	5~17Hz, 0.1" double amplitude displacement, 17~640Hz, 1.5G acceleration peak to peak
Shock	10 to 25Hz (X,Y,Z direction 2G, 30minutes)
Rating	NEMA 4/ IP 65 compliant front bezel
Certificate	Meet CE / FCC Class A
Mounting	Panel / VESA 75 mount

● Dimensions

