

# HMI Controller

## 8" RISC-based Human Machine Interface

**AHM-6081**



### Features

- Fanless ARM 9 based Intel Xscale PXA255 processor
- 8" SVGA color TFT LCD
- Onboard with DRAM, Flash and SRAM memory bank
- SMI SM501 companion Chip supporting dual display
- Supports one CompactFlash card slot
- NEMA 4/IP65 compliant front panel
- One Ethernet Port 10/100 base-T supported
- USB 1.1 host and 1.1 client supported
- Win. CE net 4.2 / 5.0 OS support

### Display Specifications

LCD	8" SVGA 800x600
Luminance	400 cd/m <sup>2</sup>
Viewing angle	130°(R/L)
Backlight	40,000 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 input	DC 11~28V
Touch Screen	4-wire, 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, External VGA port x1, speaker out x 1, Mic x 1, CF slot
Dimensions	231(W)x176(H)x57(D)mm
Weight	1.4kgs/3.09lbs

### Environment Specifications

Operating Temperature	0~50°C
Storage Temperature	-20~70°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
Certifications	CE and FCC class A
Mounting	Panel / VESA 75 mount
OS Support	Windows CE 4.2 / 5.0

### Dimensions

