

# HMI Controller

## 8" RISC-based Human Machine Interface

**AHM-6081**

### Features

- Fanless ARM 9 based Intel Xscale PXA255 processor
- 8" High brightness (350cd/m<sup>2</sup>) TFT LCD with resolution of 800x600
- 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

### Display Specifications

LCD	8" SVGA 800x600
Luminance	350 cd/m <sup>2</sup>
Viewing angle	130°(R/L)
Backlight Lifetime	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 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	231(W)x176(H)x57(D)mm
OS Support	Microsoft Windows CE 4.2 / 5.0
Weight (net)	3.48kgs

### 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
Certificate	Meet CE / FCC Class A
Mounting	Panel / VESA 75 mount

### Dimensions

