

Interfaces for information integration between Human and Machine in industrial field



INTRODUCTION

The E-80 series is an economic, compact panel computer based upon the ARM9 CPU with 8" QVGA color LCD and touch screen. The platform features an advanced ART920T 200MHz processor design with MMU, math engine coprocessor and hardware graphics acceleration engine. It provides an integrated and cost saving solution for allowing optimum adaptation to HMI, SCADA for embedded operating system, Windows CE.

FEATURES

- 32 bits RISC, ARM9 CPU with MMU
- ABS chassis & front panel
- Panel mounted industrially rugged industrial computer
- Built-in flash memory
- Fan-less cooling system
- 8" VGA TFT LCD with LED backlight
- Fully compatible PC-based peripherals

8" SPECIFICATION

SYSTEM	RISC 32 bits CPU
DISPLAY MODULE	8" 640 x 480 (VGA), 380 cd/m2 (tpy.)
GRAPHIC CONTROLLER	Built-in hardware graphics accelerator
CPU	ARM9 CPU, 200MHz (Fanless)
SYSTEM MEMORY	128MB SDRAM on board
AUDIO	One AC' 97 interface
STORAGE DEVICE	32MB Flash on board (Standard) Optional: 64MB Flash on board
ETHERNET	One RJ-45, 10/100Mbps with LED
STANDARD I/O	RTC: built-in
	2 x USB 2.0 ports (Full Speed Host)
	1 x Audio speaker output port
	2 x COM ports (RS232C and RS232/Tx/Rx Signals only)
POWERSUPPLY	+24V@1.0A Max.
EXPANSION	One PC-104 Expansion slot
TOUCHSCREEN	4-wire, analog resistive, continuous resolution with RS-232 controller (interface through internal RS-232 interface)
CONSTRUCTION	ABS, Front side IP65 protection
VIBRATION RESISTANCE	10 to 57Hz/semi-amplitude 0.15mm 57 to 150Hz/2.0G 80 min. each in x, y, and z directions (IE C68-2-6-compliant)
DIMENSION (WxHxD)	218.4 x 176.8 x 59.5mm (8.58" x 6.93" x 2.34")
MOUNTING	Panel mount (Standard) Optional: Rear Mount, VESA Mount (75mm x 75mm)
COOLER	Fanless
OPERATING TEMPERATURE	0-50 degrees
BURN-IN TEST	45 degree, 48hrs
SOFTWARE	Optional:
	Windows CE 5.0 and GpeX HMI Run-Time Software
	GPeX HMI Software Development Tool with Key-pro
WARRANTY	24 months

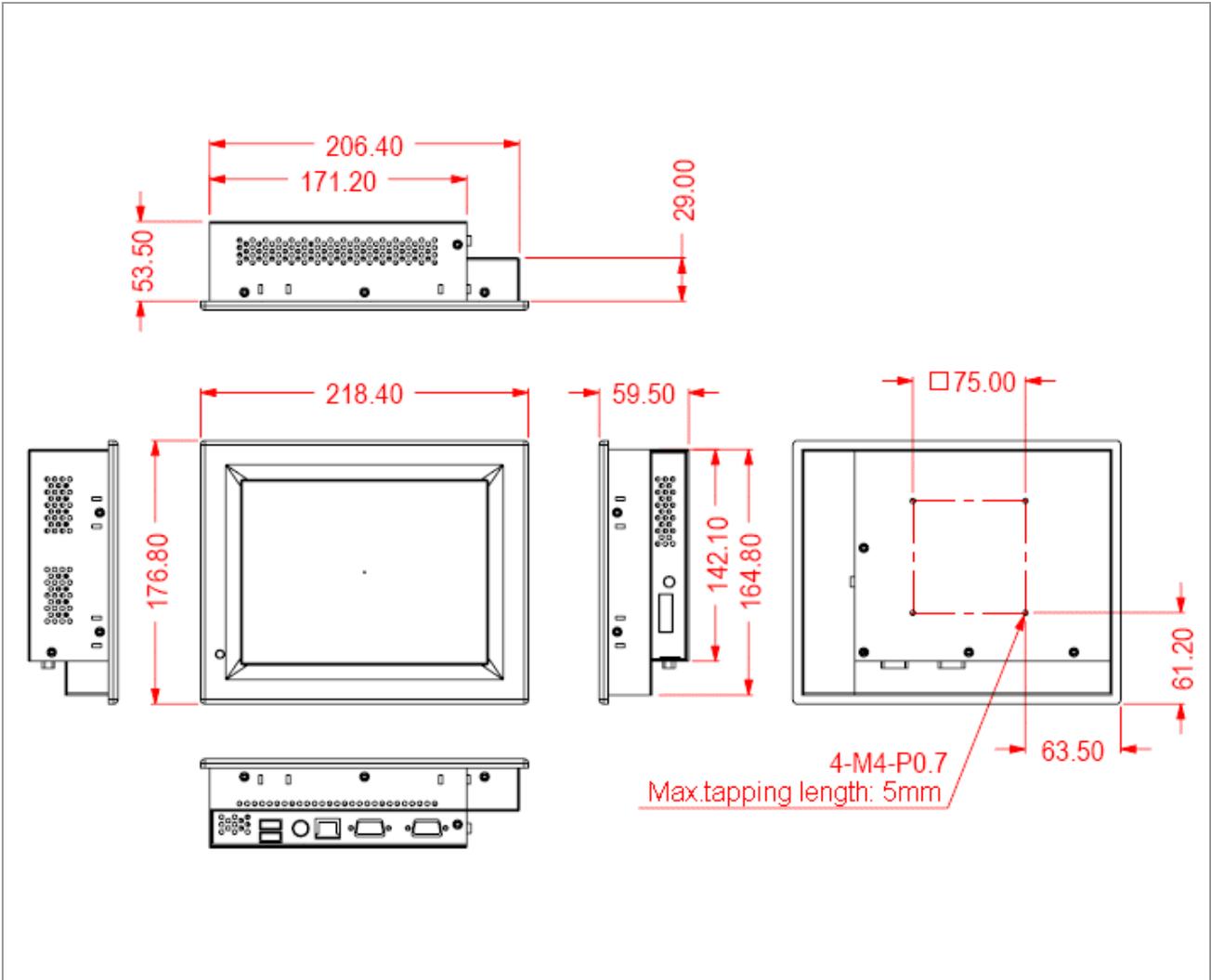
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8" DIMENSIONS



8" ORDERING INFORMATION

MODEL NAME:

- E-80-00** 8" VGA TFT Economic HMI
- E-80-01** 8" VGA TFT Economic HMI with 64MB Flash Storage on Board
- E-80-10** 8" VGA TFT Economic HMI with One PC-104 Expansion Slot on Board
- E-80-11** 8" VGA TFT Economic HMI with One PC-104 Expansion Slot and 64MB Flash Storage on Board

*All specifications and photos are subject to change without notice

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