



INTRODUCTION

The E-V104 series is an economic, compact panel computer based upon the ARM11 CPU with 10.4" SVGA color LCD and touch screen. The platform features an advanced ARM11 532MHz processor design with MMU, math engine coprocessor and hardware graphics acceleration engine. They are available in the 10.4" LCD size and up to three PC/104 expansion slots capability. It provides an integrated and cost saving solution for allowing optimum adaptation to HMI plus control applications for embedded operating system, Windows CE 6.0.

FEATURES

- 32 bits RISC, ARM11 CPU with MMU
- Aluminum front panel and chassis
- Panel mounted industrially rugged industrial computer
- Built-in flash memory
- One SD Interface
- Optional Fieldbus Master Interface
- Optional AlphaNumerical Function Keypad and Function Keys
- Fanless cooling system
- Optional up to three PC/104 expansion slots such as digital I/O, analog I/O, motion controls and soft motion interface boards
- 10.4" SVGA TFT LCD with LED backlight
- Fully compatible PC-based peripherals

10.4" SPECIFICATION

SYSTEM	RISC 32 bits CPU
DISPLAY MODULE	10.4" 800 x 600 (SVGA), 300 cd/m ² (typ.)
GRAPHIC CONTROLLER	Built-in hardware graphics accelerator
CPU	ARM11 CPU, 532MHz (Fanless)
SYSTEM MEMORY	128MB DDR RAM on board
STORAGE DEVICE	256MB Flash on board Optional: 512MB Flash on board
EXTERNAL STORAGE INTERFACE	SD interface
ETHERNET	One RJ-45, 10/100Mbps with LED
STANDARD I/O	RTC: built-in
	2 x USB 2.0 ports
	1 x Buzzer
	2 x COM ports (RS232C and RS232/Tx/Rx Signals only)
POWER SUPPLY	+24V@1.5A Max.
TOUCHSCREEN	4-wire, analog resistive, continuous resolution with internal SPI interface
CONSTRUCTION	Metal panel, IP65 dust and waterproof front bezel 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)	336 x 261.9 x 55.45mm (13.23" x 10.31" x 2.18")
MOUNTING	Panel mount (Standard) Optional: Real mount, VESA mount (75mm x 75mm)
COOLER	Fanless
OPERATING TEMPERATURE	0-50 degrees
EXPANSION	Up to three PC/104 expansion slots
FIELDBUS MASTER	Optional: On Board EtherNet/IP, CANOpen, DeviceNet, Profibus-DP
RUN-TIME SOFTWARE	Windows [®] CE 6.0 and WINPC32 [®] Run-Time Software (WINPC32-WR)
DEVELOPMENT SOFTWARE	Optional: WINPC32 [®] Development Software with USB Key-pro (WINPC32-D)

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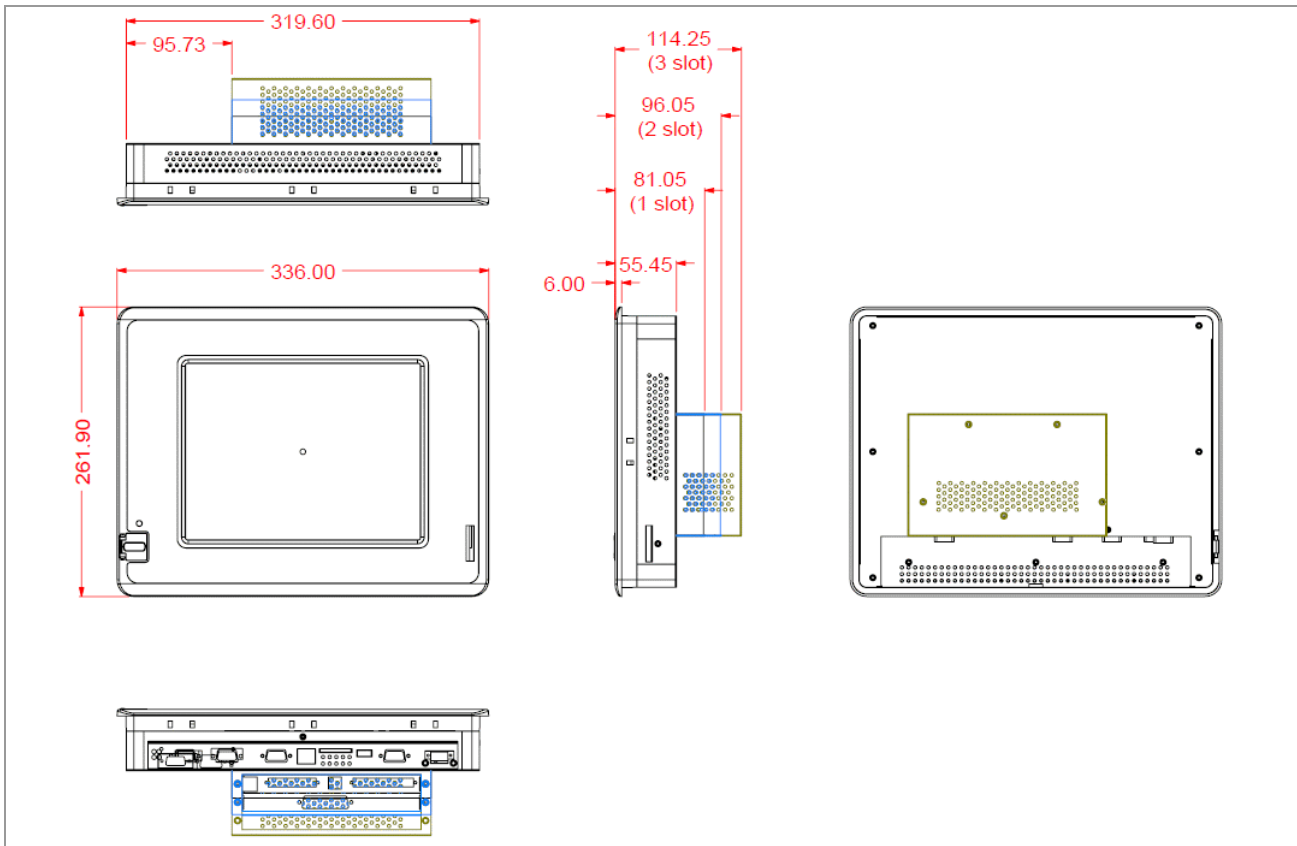
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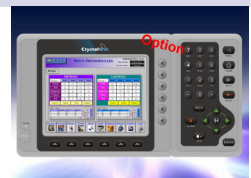
10.4" DIMENSIONS



10.4" ORDERING INFORMATION

ViewControls MODEL NAME:

E-V104-00	10.4" SVGA TFT Power ViewControls
AFK-3	AlphaNumerical Function Keypad and Function Keys (Option)



PC/104 I/O EXPANSION: (OPTIONAL)

PCM-8064	PC-104, Isolated 32 D/I & 32 D/O with 8K bytes Nonvolatile Board
PCM-8182	PC-104, Isolated Free-Running 8 A/D & 2 D/A Interface Board
PCM-8503	PC-104, 3 Axes Motion Controls Board
PCM-8523	PC-104, 3 Axes Soft Motion Interface Board

FIELDBUS MASTER BOARD: (OPTIONAL)

FMB-01	Ethernet/IP Scanner Board
FMB-02	CANOpen Scanner Board
FMB-03	DeviceNet Scanner Board
FMB-04	Profibus-DP Scanner Board

SOFTWARE:

WINPC32-D	WINPC32 [®] Development Software with USB Key-pro
WINPC32-WR	Windows CE 6.0 and WINPC32 [®] Run-Time Software

*All specifications and photos are subject to change without notice

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