

### INTRODUCTION

The E-V121 series is an economic, compact panel computer based upon the ARM11 CPU with 12.1" 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 12.1" 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

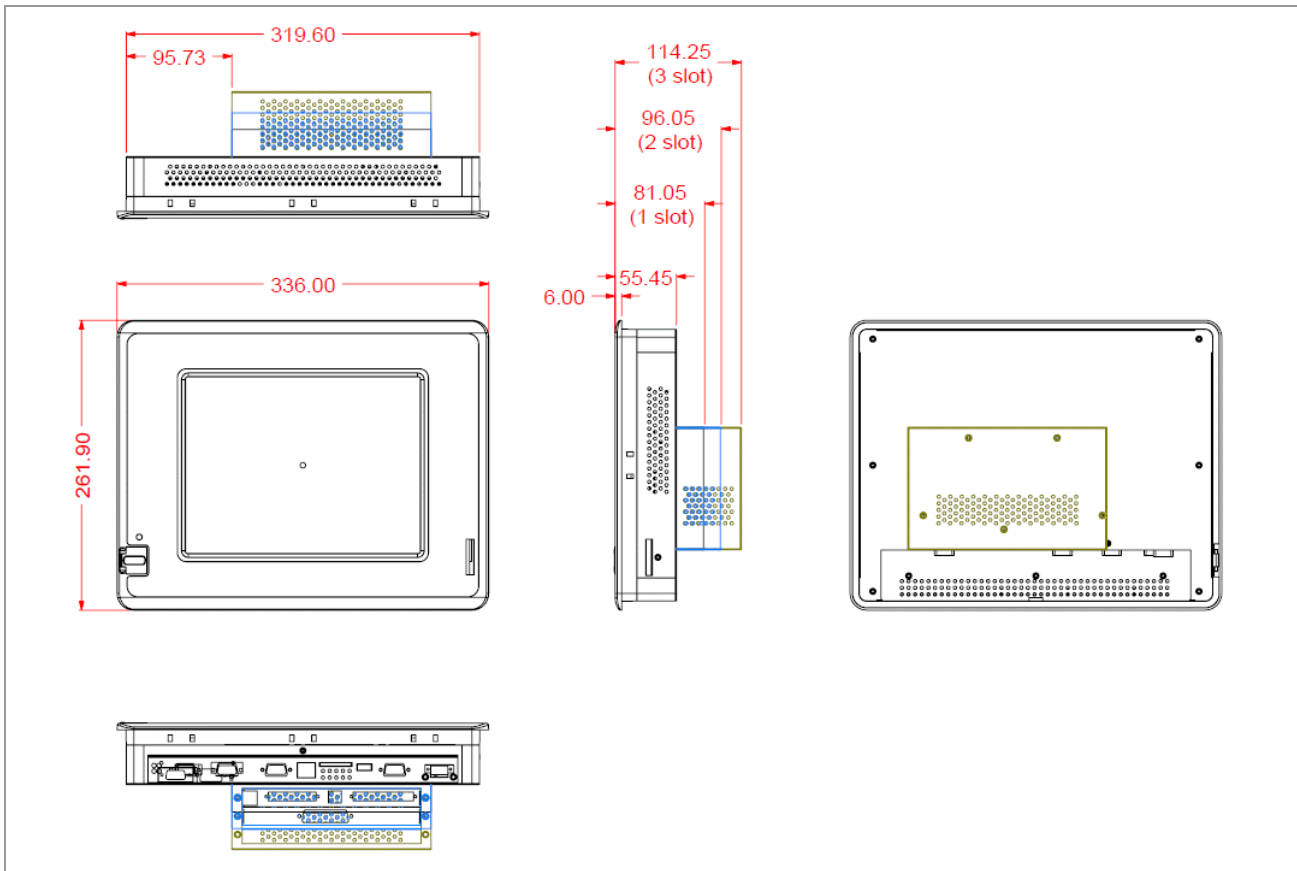
- 32 bits RISC, ARM11 CPU with MMU
- Aluminum front panel and chassis
- Panel mounted industrially rugged industrial computer
- Built-in flash memory
- One SD Interface
- Optional Fieldbus Master Interface
- Option AlphaNumerical Function Keypad and Function Keys
- Fanless cooling system
- Optional up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

### 12.1" SPECIFICATION

<b>SYSTEM</b>	RISC 32 bits CPU
<b>DISPLAY MODULE</b>	12.1" 800 x 600 (SVGA), 400 cd/m <sup>2</sup> (typ.)
<b>GRAPHIC CONTROLLER</b>	Built-in hardware graphics accelerator
<b>CPU</b>	ARM11 CPU, 532MHz (Fanless)
<b>SYSTEM MEMORY</b>	128MB DDR RAM on board
<b>STORAGE DEVICE</b>	256MB Flash on board Optional: 512MB Flash on board
<b>EXTERNAL STORAGE INTERFACE</b>	SD interface
<b>ETHERNET</b>	One RJ-45, 10/100Mbps with LED
<b>STANDARD I/O</b>	RTC: built-in
	2 x USB 2.0 ports
	1 x Buzzer
	2 x COM ports (RS232C and RS232/Tx/Rx Signals only)
<b>POWER SUPPLY</b>	+24V@1.5A Max.
<b>TOUCHSCREEN</b>	4-wire, analog resistive, continuous resolution with internal SPI interface
<b>CONSTRUCTION</b>	Metal panel, IP65 dust and waterproof front bezel protection
<b>VIBRATION RESISTANCE</b>	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)
<b>DIMENSION (WxHxD)</b>	336 x 261.9 x 55.45mm (13.23" x 10.31" x 2.18")
<b>MOUNTING</b>	Panel mount (Standard) Optional: Real mount, VESA mount (75mm x 75mm)
<b>COOLER</b>	Fanless
<b>OPERATING TEMPERATURE</b>	0-50 degrees
<b>EXPANSION</b>	Up to three PC/104 expansion slots
<b>FIELDBUS MASTER</b>	Optional: On Board EtherNet/IP, CANOpen, DeviceNet, Profibus-DP
<b>RUN-TIME SOFTWARE</b>	Windows <sup>®</sup> CE 6.0 and WINPC32 <sup>®</sup> Run-Time Software <b>(WINPC32-WR)</b>
<b>DEVELOPMENT SOFTWARE</b>	Optional: WINPC32 <sup>®</sup> Development Software with USB Key-pro <b>(WINPC32-D)</b>

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### 12.1" DIMENSIONS



### 12.1" ORDERING INFORMATION

#### ViewControls MODEL NAME:

<b>E-V121-00</b>	12.1" SVGA TFT Power ViewControls
<b>AFK-5</b>	AlphaNumerical Function Keypad and Function Keys (Option)



#### PC/104 I/O EXPANSION: (OPTIONAL)

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

#### FIELDBUS MASTER BOARD: (OPTIONAL)

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

#### SOFTWARE:

<b>WINPC32-D</b>	WINPC32 <sup>®</sup> Development Software with USB Key-pro
<b>WINPC32-WR</b>	Windows CE 6.0 and WINPC32 <sup>®</sup> Run-Time Software

\*All specifications and photos are subject to change without notice

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