# ES-200-75

## Attachable Low Power Base SBC **Integrated System Box**



## **Features**

- Mates to Advantech SBC board PCM-9575F
- . Built-in 180 watt power supply
- One PC/104 card or one half-length PCI card extendible
- Two 3.5" HDD can be installed •
- One built-in slim type CD-ROM
- Multiple I/O interfaces for versatile applications
- Includes attachable open-frame mechanical brackets with OFPC ES-3000 series LCD monitors (ES-3112/ES-3115/ES-3117)
- Versatile combination solution with OFPC ES-3000 series LCD monitors

## Introduction

ES-200-75 is a low power system box integrated with Advantech's 5.25" SBC (PCM-9575F). The system configuration accommodates various open-frame LCD monitors to supply an OFPC with great flexibility, perfect for embedded applications with low noise requirements. This unit is designed without a faceplate for convenient embedding into a custom housing.

#### Networking

Four serial ports and a 10/100Base-T Ethernet controller give the ES-200-75 series advanced networking capability, providing the best solution for multiple applications.

#### **Extended Capability**

The ES-200-75 is designed with one expansion slot for PCI cards, two USB ports, one PC/104 card, and two 3.5" HDDs. Various different display size monitors can be attached to create an OFPC. With these expansion capabilities, the ES-200-75 not only functions as a system box, but sets up a computing center for solid application building.

## **Specifications**

- CPU	Embedded VIA® low power Eden /Ezra processor up to 1 GHz
<ul> <li>Memory</li> </ul>	Supports SDRAM PC133 168-pin DIMM x 1, maximum up to 512 MB
• HDD	3.5" IDE HDD x 2 supported
<ul> <li>CD-ROM Drive</li> </ul>	Built in one slim type Compact CD-ROM 24X
<ul> <li>Combo Drive</li> </ul>	Slim type Compact 24X/10X/24X and DVD 8X or above (Optional)
<ul> <li>Graphic</li> </ul>	VIA® Twister chipset (VT8606) with integrated S3 Savage 4 supports 2D/3D 4x AGP graphics
<ul> <li>Expansion Interface</li> </ul>	One expansion slot for half-size PCI cards and PC/104 slot for PC/104 card expansion
<ul> <li>I/O Ports</li> </ul>	<ul> <li>1 x VGA port</li> <li>1 x parallel port</li> <li>4 x serial ports : RS-232 3, RS-232/422/485 x 1</li> <li>2 x USB ports : Support USB1.1 up to 20 Mb/sec</li> <li>2 x PS/2 ports : 1 x keyboard and 1 x mouse</li> <li>1 x RJ-45 port : Supports 10/100Base-T Ethernet</li> <li>4 x audio port : Supports 1 x line-in/1 x line-out/ 1 x mic-in/1 x speaker out</li> <li>1 x DC output: Supports 12 V =10 A output</li> </ul>
<ul> <li>Dimensions (W x H x D) 353.6 x 225.6 x 100 mm</li> </ul>	
<ul> <li>Weight</li> </ul>	3.4 kg

#### Power

 Input Voltage AC 100 ~ 240 V, 4 ~ 2 A, 50 ~ 60 Hz Output Voltage DC 3.3 V = 16.8 A, 5 V = 12 A , 12 V = 10 A, 5 V = 2 A, -12 V = 0.8 A Output Rating 180 W (including ES-200 system box and related DC device)

### Environment

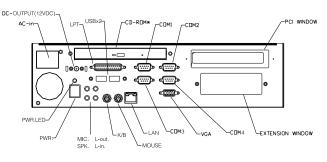
 Humidity Shock

- Operating Temperature 0 ~ 45° C
- Storage Temperature -20 ~ 60° C
  - $5 \sim 95\%$  @  $40^{\circ}$  C, non-condensing

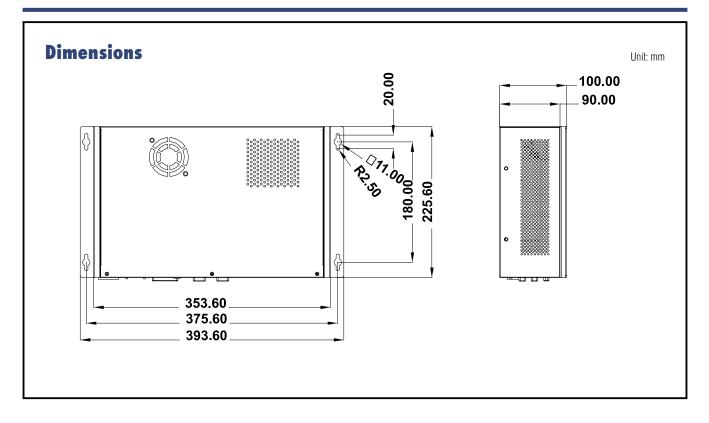
UL

- 10 G peak acceleration (11 msec duration)
- EMC Approved CE FCC
- Safety Approved

#### I/O Layout







# **Ordering Information**

- ES-200-75-40 ES-200 system with 5.25" SBC embedded with VIA
- Eden 400 MHz CPU • ES-200-75-66 ES-200 system with 5.25" SBC embedded with VIA
- ES-200-75-00 ES-200 System with 5.25 SBC embedded with ViA
- ES-200-75-1G ES-200 system with 5.25" SBC embedded with VIA Ezra 1 GHz CPU