

ES-200-75

Attachable Low Power Base SBC Integrated System Box



Features

- Fits with 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
- Include 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). System configuration can accommodate various open-frame LCD monitors to become an open frame PC with great flexibility, perfect for embedded applications with low noise requirements. It is designed without a faceplate for convenient embedding into the customers' own housing.

Networking

Four serial ports and a 10/100Base-T Ethernet controller give the ES-200-75 advanced networking capability and provides the best solution for versatile applications

Extended Capability

The ES-200-75 is designed with one expansion slot for PCI cards, two USB ports, one PC/104 card, two 3.5" HDDs and multiple display size monitors, which can be attached as an OFPC configuration. With these expansion capabilities, the ES-200-75 not only function as a system box, but also as a computing center to build your application around.

Specifications

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

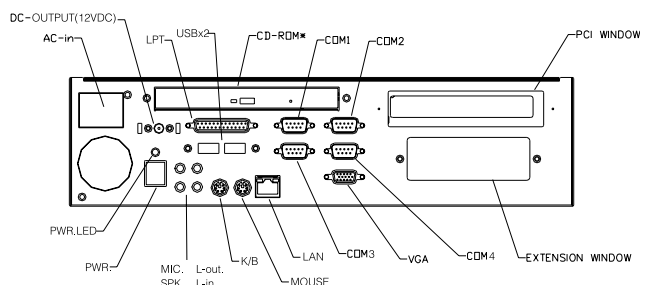
Power

- **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)

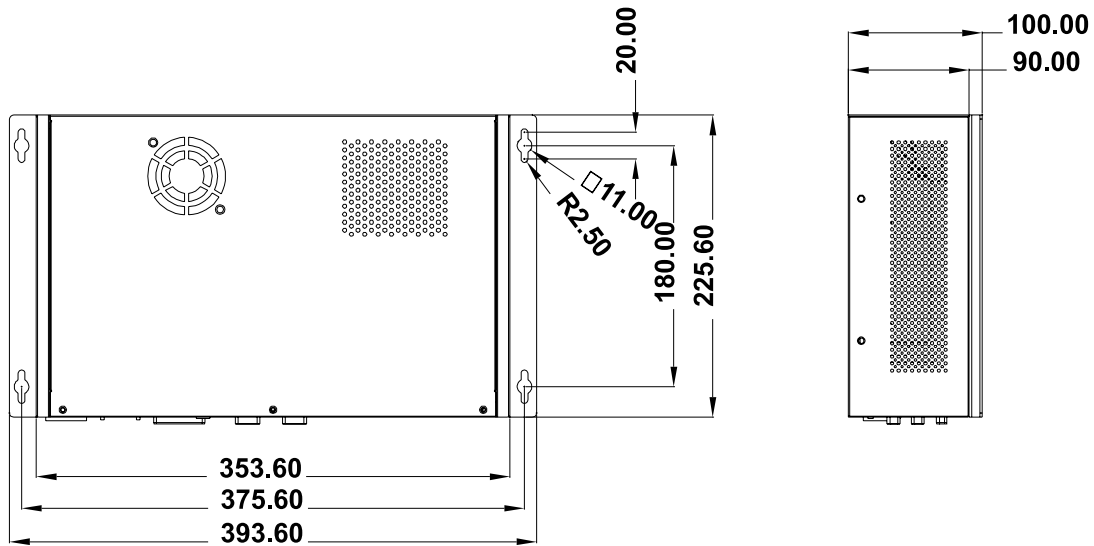
Environment

- **Operating Temperature** 0 ~ 45° C
- **Storage Temperature** -20 ~ 60° C
- **Humidity** 5 ~ 95% @ 40° C, non-condensing
- **Shock** 10 G peak acceleration (11 msec duration)
- **EMC Approved** CE FCC
- **Safety Approved** UL

I/O Layout



Board Diagram



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 Eden 667 MHz CPU
- **ES-200-75-1G** ES-200 system with 5.25" SBC embedded with VIA Ezra 1 GHz CPU