

ETX Carrier Board Series

EAP-EX51 5.25" ETX Carrier Board



Features

- 5.25" Single Board Computer Form Factor
- Accepts Avalue's & 3rd Party's ETX CPU Module
- VGA / LVDS / Audio / TV-out Interface
- 2 CardBus, 1 PCI
- 1 Type I/II CF, 1 DOC, 4 COM, 4 USB

System

• Form Factor	5.25" SBC Form Factor Size
• CPU Module Socket	4 x 100-pin connectors
• I/O Chip	Winbond W83977EG-AW
• SSD	One M-Systems DiskOnChip, CompactFlash Type I/II socket
• Expansion	1 PCI (PCI Rev. 2.2 compliant)

I/O

• MIO	4 x EIDE, 2 x FDD, 1 x LPT, 3 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
• IrDA Connector	5 x 1, pitch 2.0 mm wafer
• USB Connector	One double deck USB connector supports dual USB and one 5 x 2, pitch 2.54 mm header supports additional dual USB
• CardBus	RICOH R5C486 supports two CardBus Type I/II slots

Connectors

• External Connector	PS/2 K/B & Mouse (mini DIN), dual USB, RJ-45, LPT 1 (DB-25), COM 1 (DB-9), COM 2 (DB-9), COM 3 (DB-9), VGA (DB-15), S-Video, Composite Video jack,
• Audio Connector	Mic in, Line in, Line out audio jacks
• LVDS Connector	One HIROSE DF13-40DP-1.25 V
• Power Connector	AT connector supports ATX & DC 24 V power jack

Mechanical & Environmental

• Power Requirement	+5 V @ 1.3 A (with AMD Geode GX1 300 MHz & 64 MB SDRAM)
• Power Type	AT / ATX
• Operating Temperature	0~60 °C (32~140 °F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	8" x 5.75" (203 mm x 146 mm)
• Weight	0.44 lbs (0.2 kg)

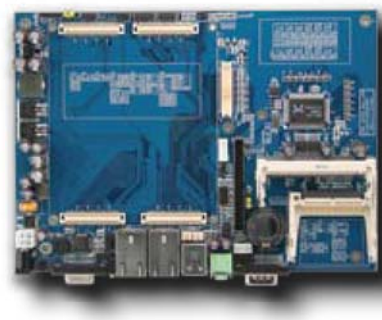
Supported ETX CPU Modules

- **ETX CPU Module**
Supports Avalue ESM-2740, ESM-2743, ESM-CN700, ESM-2545, ESM-945ETX, ESM-910ETX & other ETX compatible CPU modules

Ordering Information

- **EAP-EX51**
5.25" ETX Carrier Board
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4, 8 GB)

EAP-EX52 5.25" ETX Carrier Board



Features

- 5.25" Single board Computer Form Factor
- Accepts Avalue's & 3rd Party's ETX CPU Module
- VGA / LVDS / Audio / TV-out Interface
- 1 Mini PCI, 1 Type I/II CF, 2 COM, 4 USB
- 1 LAN, Optional 1 GigaLAN or 1 LAN

System

• Form Factor	5.25" SBC Form Factor Size
• CPU Module Socket	4 x 100-pin connectors
• SSD	One CompactFlash Type I/II socket
• Expansion	1 Mini PCI

I/O

• MIO	2 x EIDE (One 44-pin, one CF socket), 2 x RS-232 (One edge, one pin-header), 1 x K/B & Mouse
• IrDA Connector	5 x 1, pitch 2.00 mm header
• USB Connector	Supports 4 independent USB, two edge USB and two 5 x 1 header
• DIO	8-bit GPIO

Connectors

• External Connector	PS/2 K/B and mouse, dual USB, RJ-45, VGA (DB-15), COM 1 (DB-9)
• Audio Connector	Mic in, Line out, Line in
• LVDS Connector	One HIROSE DF13-40DP-1.25V
• Power Connector	DC +12V power jack

Ethernet

• LAN 1	For ETX Module
• LAN 2	Optional RTL8100C or RTL8110S GigaLAN

Mechanical & Environmental

• Power Requirement	+12V
• Power Type	AT / ATX
• Operating Temperature	0~60 °C (32~140 °F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	8" x 5.75" (203 mm x 146 mm)
• Weight	0.44 lbs (0.2 kg)

Supported ETX CPU Modules

- **ETX CPU Module**
Supports Avalue ESM-2740, ESM-2743, ESM-CN700, ESM-2545, ESM-945ETX, ESM-910ETX & other ETX compatible CPU modules

Ordering Information

- **EAP-EX52**
5.25" Slim ETX Carrier Board
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4, 8 GB)

CH1

ETX/
COM Express

CH2

3.5" SBC

CH3

EPIC

CH4

5.25" SBC

CH5

PC/104

CH6

IMB

CH7

Embedded
System

CH8

MTP
Panel PC

CH9

Panel PC

CH10

ahis

CH11

Peripheral

CH12

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