



## Features

Micro-ATX Form Factor

Accept Avalue and Other COM Express CPU Modules

VGA/ LVDS/ Audio Interface

1 CF, 1 PCI, 2 PCIe1, 1 PCIe16

4 SATA, 2 COM, 8 USB, 8-bit GPIO, Express Card/ 54mm



## Specifications

### System

• Form Factor	Micro-ATX
• I/O Chip	Winbond W83627HG-AW
• Watchdog Timer	Reset: 1sec. ~ 255min. and 1sec. or 1min./step
• SSD	One CompactFlash Type I/II Socket
• Expansion	1 x PCI, 2 x PCIe1, 1 x PCIe16, Express Card (54mm)

### I/O

• MIO	1 x EIDE, 4 x SATA, 1 x LPT, 1 x FDD, 1 x RS-232, 1 x RS-232/ 422/ 485, 1 x KB, 1 x Mouse
• IrDA Connector	5 x 1 Header, Pitch 2.54mm
• USB Connector	8 x USB 2.0
• DIO	8-bit GPIO

### Audio

• Audio Codec	Realtek ALC883 Supports 7.1-CH Audio
• Audio Interface	Line-in, Mic-in, Line-out, CD Audio-in

### Connectors

• External Connector	1 x Mouse, 1 x KB, 1 x LPT, 1 x COM, 1 x VGA, 4 x USB, 1 x Audio Jack (6-Ports)
• LVDS Connector	One HIROSE DF13-40DP-1.25V
• Power Connector	One ATX, One Aux Power (2 x 2-pin 12V) Connector

### Mechanical & Environmental

• Power Type	ATX
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Storage Temperature	-40 ~ 75°C (-40 ~ 167°F)
• Operating Humidity	0%~90% Relative Humidity, Non-condensing
• Size (L x W)	243.84mm x 243.84mm
• Weight	1.10lbs (0.5Kg)

## Supported COM Express CPU Modules

### • ESM-QM57

Intel® Core™ i7-620LE/ 620UE/ Celeron® M P4505 COM Express Module with Intel® QM57 Chipset

### • ESM-GM45

Intel® Core™ 2 Duo/ Celeron® CPU COM Express Module with Intel® GM45 + ICH9-M Chipset

### • ESM-945GSE

Intel® Atom™ N270 COM Express Module with Intel® 945GSE + ICH7-M Chipset

### • ESM-910

Intel® Celeron® M COM Express Module with Intel® 910GMLE + ICH6-M Chipset

### • ESM-GME965

Intel® Core™ 2 Duo COM Express Module with Intel® GME965 + ICH8-M Chipset

### • ESM-945GME

Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M COM Express Module with Intel® 945GME + ICH7-M Chipset

## Ordering Information

### • EEV-EX13

Micro-ATX COM Express Carrier Board

### • ACC-CF-xx

CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)

1 Embedded System

2 ETX/XTX/COM Express

3 3.5" SBC

4 EPIC

5 5.25" SBC

6 PC/104

7 ATX

8 Micro ATX

9 Mini ITX

10 Nano ITX

11 ACP

12 Mini ITX System

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