



Features

- **ATX Form Factor**
- **Accepts Avalue's & Other Compatible COM Express CPU Module**
- **VGA / LVDS / Audio / TV-out Interface**
- **1 Type I/II CF**
- **2 PCI, 4 PCIe x 1, 1 PCIe x 16**
- **4 SATA, 2 COM, 8 USB, 16-bit GPIO**



Specifications

System

• Form Factor	ATX
• CPU Module Socket	2 x 220-pin connectors
• I/O Chip	Windbond W83627HG-AW
• AC97 Codec	Realtek ALC883, 7.1-CH Audio
• SSD	One CompactFlash Type I/II socket
• Expansion	2 PCI (PCI Rev. 2.3 compliant), 4 PCIe x 1, 1 PCIe x 16

I/O

• MIO	2 x EIDE, 4 x SATA, 2 x FDD, 1 x LPT, 1 x RS-232, 1 x RS-232/422/485, 1 x K/B, 1 x Mouse
• IrDA Connector	5 x 1, pitch 2.54 mm header
• USB Connector	Two double deck USB connectors support 4 USB and two 5 x 2 headers onboard support additional 4 USB
• DIO	16-bit GPIO, including 8-bit GPIO from COM Express module

Audio

• AC97 codec	Realtek ALC883, 7.1-CH Audio
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Connectors

• External Connector	PS/2 K/B (Mini-DIN), PS/2 Mouse (Mini-DIN), dual double deck USB, RJ-45, LPT 1 (DB-25), COM 1 (DB-9), COM 2 (DB-9), VGA (DB-15) & Mic in, Line in, Line out audio jacks
• LVDS Connector	One HIROSE DF13-40DP-1.25 V
• TV-out Connector	3 x 2, pitch 2.54 mm header x 1
• Audio Connector	7.1-CH Audio connector (Front, Line in, Mic in, Center/Subwoofer, Surround, Rear Surround)
• Power Connector	ATX connector

Mechanical & Environmental

• Power Type	ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	12" x 7.9" (305 mm x 240 mm)
• Weight	1.10 lb (0.5 kg)

Supported COM Express CPU Modules

- **ESM-GM965**
Intel® GME965 Core™ 2 Duo COM Express Module
- **ESM-945GM**
Intel® 945GME Core™ Duo / Core™ 2 Duo / Celeron® M COM Express Module
- **ESM-2850**
Intel® Pentium® M / Celeron® M COM Express Module
- **ESM-CN896**
VIA CN896 Eden V4 COM Express module

Ordering Information

- **EEV-EX11**
COM Express Evaluation 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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