



Features

- Onboard Intel® Celeron® M 600 MHz with 512K L2 Cache CPU
- Intel® 82852GM Chipset
- One SODIMM up to 1 GB DDR SDRAM
- 5.1-CH Audio, TV-out
- Dual Realtek RTL8101L 10/100 Mbps LAN
- 1 Mini PCI, 1 Type I/II CF
- 4 COM, 6 USB 2.0

TV-out

2 LAN

Mini
PCI

4 COM

6 USB

Specifications

System

• CPU	Onboard Intel® Celeron® M 600 MHz with 512K L2 Cache
• BIOS	Award
• System Chipset	Intel® 82852GM GMCH / 82801DB ICH4
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR 200/266 SDRAM
• SSD	One CompactFlash Type I/II socket with ejector
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• H/W Status Monitor	Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats
• Display	Intel® RG82852GM integrated Extreme Graphics 2 controller with 64 MB display memory
• Audio	AC97 Codec
• Ethernet	Dual Realtek RTL8101L 100Base-Tx Fast Ethernet controllers
• System Indicators	2 LED indicators show the power and HDD LAN status shown on the back panel
• Drive Bay	Mounting kit for one 2.5" HDD (hidden)
• Expansion Interface	1 Mini PCI

External I/O

• Serial Port	3 x RS-232, 1 x RS-232/422/485
• LAN Port	2 x RJ-45
• VGA/LCD Port	1 x DB-15
• TV-out	1 x RCA jack
• Audio Port	Mic in, Line in, Line out
• USB Port	6 x USB 2.0
• Parallel Port	1 x DB-25
• Mouse & KB	2 x PS/2 mini DIN

Power Supply Unit

• Power Input	100~240 Vac / 50~60 Hz
• Power Output	+12 Vdc / 4.16 A (50 W)

Environment & Mechanical

• Power Requirement	+12 V @ 1.89 A (with Intel® Celeron® 800 MHz & 256 MB DDR 266 SDRAM)
• Operating Temperature	0~40°C (32~104°F)
• Storage Temperature	-20~75°C (-4~167°F)
• Relative Humidity	5 to 90% @ 40°C (104°F), relative humidity, non-condensing
• Dimension (W x D x H)	9.8" x 6.1" x 2.6" (249 mm x 155 mm x 67 mm)
• Weight	5.1 lbs (2.3 kg)
• Mounting	Desktop

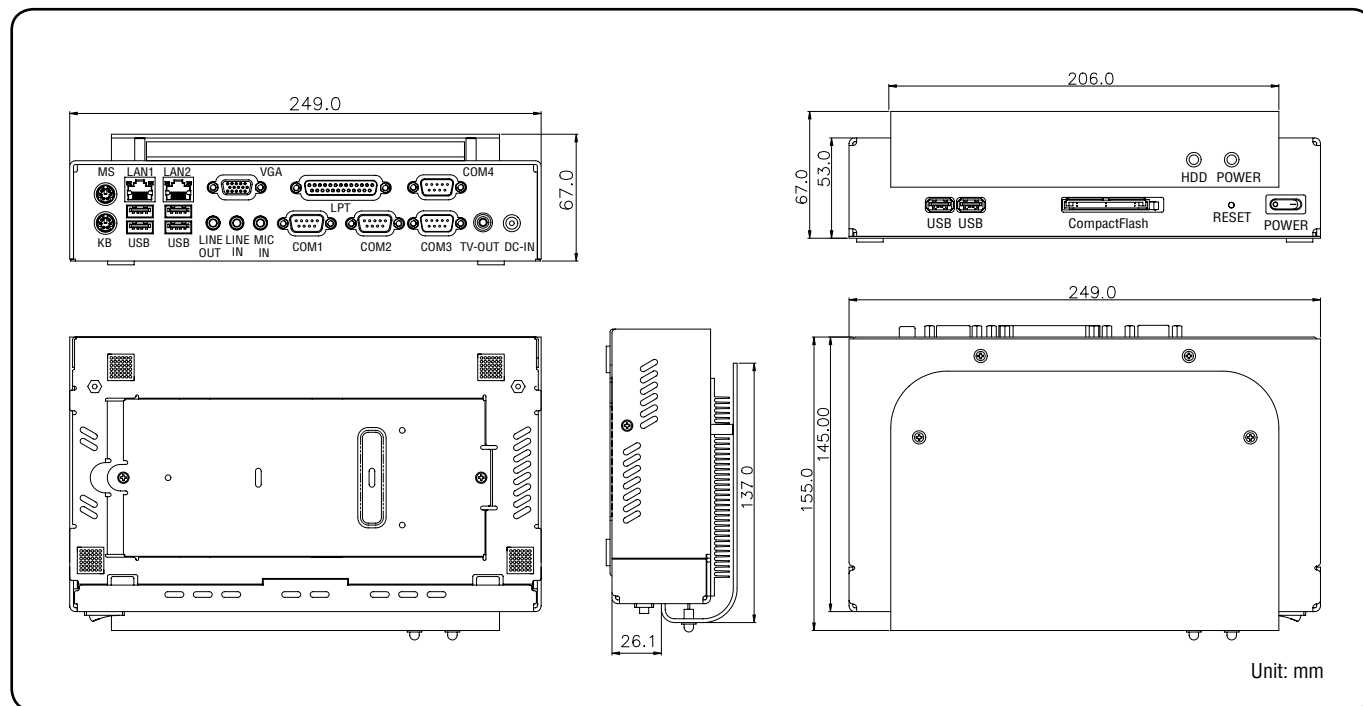
I/O Diagram



Ordering Information

- **EXC-2743**
Intel® Celeron® M 600 MHz with 512K L2 Cache Micro PC with 256 MB DDR SDRAM, Heatsink, VGA, Audio, TV-out, Dual LAN, Mini PCI, CF, 4 COM, 6 USB 2.0
- **ESM-2743**
Intel® Celeron® M 600 MHz with 512K L2 Cache ETX Module
- **EAP-EX92**
ETX Carrier Board with 4 COM
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)

Diagram



Compact Micro PC with Changeable CPU Core

EXC micro PC series adopts ETX Computer-on-Module technology that enables scalable system upgradeability by separating the CPU core module and I/O interfaces into two various boards. EXC series therefore can easily be upgraded by simply replacing a next-generation higher speed ETX core module while without changing the carrier board. This modular designed Micro PC can accommodate any Avalue ETX core module to meet different project requirements.



Fanless & Special Thermal Design

The EXC-2743 utilize passively cooled low power Intel® Celeron® M 600 MHz processors respectively. It can operate up to an ambient temperature of 45°C without a fan thanks to an innovative thermal design.

A heat sink mounted on the CPU dissipates heat, while two additional heat sink blocks draw heat away from the main chipsets to a large cooling radiator on top of the housing. A gap between the radiator and the outside cover further enhances heat dissipation.

ETX Options



ESM-2740 ETX Module (P. 1-12)

- Intel® Celeron® M + 82855GME
- LVDS, Dual View, TV-out
- 5.1-CH Audio, LAN
- 2 COM, 4 USB



ESM-2743 ETX Module (P. 1-13)

- Intel® Celeron® M + 82852GM
- LVDS, Dual View, TV-out
- 5.1-CH Audio, LAN
- 2 COM, 4 USB



ESM-CN700 ETX Module (P. 1-14)

- VIA Eden V4 + CN700
- Supports MPEG-2 Decoder
- LVDS, TV-out, Audio, LAN
- 2 SATA, 2 COM, 4 USB



ESM-2545 ETX Module (P. 1-15)

- AMD LX800 + CS5536
- TFT, LVDS, Audio, LAN
- 2 COM, 4 USB
- Hardware Monitor



ESM-945ETX ETX Module (P. 1-10)

- Intel 945GME + ICH7-M
- LVDS, Audio, LAN
- 2 COM, 4 USB, 4 PCI, 1 ISA
- ETX 3.0

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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