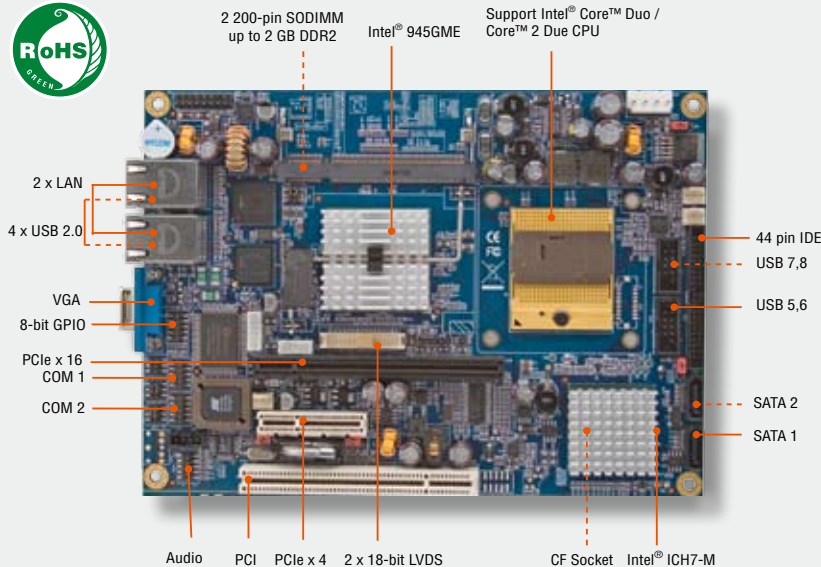




# EBM-945GME

## 5.25" Intel® 945GME Core™ Duo / Core™ 2 Duo / Celeron® M Mini Module



### Features

Supports 65nm Intel® µPGA 478 Core™ Duo/ Core™ 2 Duo / Celeron® M CPU

Intel® 945GME / ICH7-M Chipset

Two 200-Pin SODIMM up to 2 GB DDR2 SDRAM

Dual View, 2-CH LVDS, TV-out, HDTV,

5.1-CH Audio, LAN, Gigabit Ethernet

1 PCIe x16, 1 PCIe x4, 1 PCI, 1 CF, 2 SATA, 2 COM, 8 USB, 8-bit GPIO

Intel® 945GME	Dual View	HDTV	GbE	PCIe x16/4
PCI	2 SATA	2 COM	8 USB	8 GPIO

### Specifications

#### System

<b>CPU</b>	Supports 65nm Intel® µFC-PGA 478 / µFC-BGA 479 Core™ Duo / Core™ 2 Duo CPU Note: Available in different CPU speeds by request
<b>FSB</b>	533 / 667 MHz
<b>BIOS</b>	Award 8 Mbit Flash BIOS
<b>System Chipset</b>	Intel® 945GME / ICH7-M
<b>I/O Chip</b>	Winbond W83627HG-AW
<b>System Memory</b>	Two 200-pin SODIMM sockets support up to 2 GB DDR2 667 SDRAM
<b>SSD</b>	One CompactFlash Type I/II socket
<b>Expansion</b>	1 PCIe x 16 or ADD2, 1 PCIe x 4, 1 PCI

#### I/O

<b>MIO</b>	1 x EIDE, 2 x SATA, 1 x RS-232/422/485, 1 x RS-232, 1 x K/B & Mouse
<b>IrDA</b>	115k bps, IrDA 1.0 compliant
<b>USB</b>	8 x USB 2.0 ports
<b>DIO</b>	8-bit General Purpose I/O for DI and DO

#### Display

<b>Chipset</b>	Intel® 945GME
<b>Display Memory</b>	Intel® DVMT 3.0 supports up to 64 MB shared video memory
<b>Resolution</b>	CRT mode: 2048 x 1536 @ 75 Hz LCD mode: 2048 x 1536 @ 60 Hz
<b>Multiple Display</b>	CRT + LVDS
<b>LVDS</b>	Dual-channel 18/36-bit LVDS
<b>TV-out</b>	TV-out Interface supports HDTV

#### Audio

<b>Chipset</b>	Intel® ICH7-M
<b>AC97 Codec</b>	Realtek ALC655 supports 5.1-CH Audio
<b>Audio Interface</b>	Mic in, Line in, CD Audio in, Line out

#### Ethernet

<b>LAN 1</b>	Intel® 82562EZ
<b>LAN 2</b>	Intel® 82573E Gigabit Ethernet
<b>Ethernet Interface</b>	100 Base-Tx Fast Ethernet compatible: Intel® 82562EZ 1000 Base-T Gigabit Ethernet compatible: Intel® 82573L

#### Mechanical & Environmental

<b>Power Requirement</b>	+12 V @ 3.05 A, 5 Vsb @ 0.21 A (with Intel® Core™ Duo T2500 2 GHz & 1 GB DDR2 SDRAM)
<b>Power Type</b>	AT / ATX
<b>Operating Temperature</b>	0~60°C (32~140°F)
<b>Operating Humidity</b>	0%~90% relative humidity, non-condensing
<b>Size (L x W)</b>	8" x 5.75" (203 mm x 146 mm)
<b>Weight</b>	0.88 lbs (0.4 kg)

### Ordering Information

- EBM-945GME**  
5.25" Intel® Core™ Duo / Core™ 2 Duo / Celeron® M Mini Module with VGA, LVDS, 5.1-CH Audio, LAN, Gigabit Ethernet, CF, PCIe x16, PCIe x4, PCI, 2 COM, 8 USB, 8-bit GPIO
- ACC-CF-xx**  
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512 MB, 1, 2, 4 GB)
- ACC-CPU-xxx-YYYY**  
Core™ Duo series (x: clock speed, option: 1.66, 1.83; YYYY = processor option: T1300, T1400)
- ACC-MEM-xx**  
Memory Series (xx = Capacity, Capacity Option: 256, 512 MB, 1, 2 GB)
- ACC-EBM-945GM-1R**  
Cable kit for EBM-945GM

1 Embedded System

2 LPC Series

3 PPC Series

4 FPC Series

5 VTP Series

6 MTP Series

7 ETX/COM Express

8 3.5" SBC

9 EPIC

10 Half-size

11 5.25" SBC

12 PC/104

13 Peripherals

14 Index