

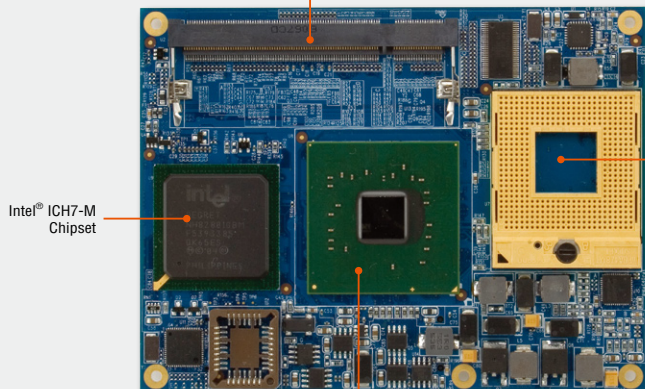


# ESM-945GME

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



One 200-pin SODIMM Up to 2GB DDR2 SDRAM



Intel® ICH7-M Chipset

Intel® 945GME Chipset

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

## Features

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

Intel® 945GME/ ICH7-M Chipset

One 200-pin SODIMM Up to 2GB DDR2 400/ 533/ 667 SDRAM

Dual View, Dual-channel LVDS

Intel® High Definition Audio

Marvell 88E8053 Gigabit Ethernet

4 PCI, 1 PCIe16, 3 PCIe1, 2 SATA, 8 USB, 8-bit GPIO



## Specifications

### System

• CPU	Intel® Core™ 2 Duo/ Core™ Duo/ Celeron® M CPU Socket Onboard Intel® Core™ 2 Duo L7400 1.5GHz CPU/ Onboard Intel® Celeron® M ULV 423 1.06GHz CPU Note: Available in Different CPU Speeds by Request
• BIOS	Award 4Mbit Flash BIOS
• System Chipset	Intel® 945GME/ ICH7-M
• System Memory	One 200-pin SODIMM Socket Supports Up to 2GB DDR2 400/ 533/ 667 SDRAM
• Expansion	4 x PCI (PCI Rev. 2.3 Compliant), 3 x PCIe1, 1 x PCIe16

### I/O

• MIO	1 x EIDE (Ultra DMA 100), 2 x SATA
• USB	8 x USB 2.0
• DIO	4-bit GPI and 4-bit GPO

### Display

• Chipset	Intel® 945GME GMCH Integrated Extreme Graphics Controller
• Display Memory	Intel® DVM T 3.0 Supports Up to 224MB Shared Video Memory
• Resolution	CRT Mode: 2048 x 1536 @ 32bpp (75Hz) LCD/ Simultaneous Mode: 1600 x 1200 @ 16bpp (60Hz)
• Multiple Display	CRT + LVDS
• LVDS Interface	Dual-channel 18/ 24-bit LVDS

### Audio Interface

• Chipset	Intel® ICH7-M
• Interface	Intel® High Definition Audio

### Ethernet

• LAN	Marvell 88E8053
• Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible

### Mechanical & Environmental

• Power Requirement	+12V @ 2.28A, +5Vsb @ 0.43A (with Intel® Core™ Duo T2300 2.0GHz & 1GB DDR2 533 SDRAM)
• 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)	5" x 3.7" (125mm x 95mm)
• Weight	0.44lbs (0.2kg)

## Ordering Information

### • ESM-945GME

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

### • ESM-945GME-L74

Intel® Core™ 2 Duo L7400 1.5GHz CPU COM Express Module with Intel® 945GME + ICH7-M Chipset

### • ESM-945GME-423

Intel® Celeron® M ULV 423 1.06GHz CPU COM Express Module with Intel® 945GME + ICH7-M Chipset

### • EEV-EX13

COM Express Carrier Board for Evaluation

### • ACC-HSP-2852-1R

Heat Spreader for ESM-945GME/ GME965 Series with PGA Type, 125 x 95 x 11mm

### • ACC-HSP-2852-2R

Heat Spreader for ESM-945GME/ GME965 Series with BGA Type, 125 x 95 x 11mm