



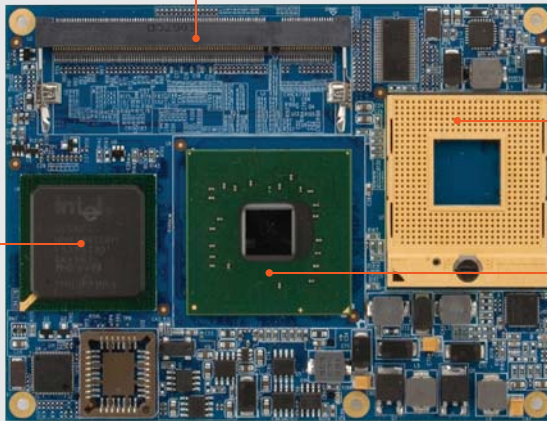
ESM-945GM

Intel® 945GM / 945GME Core™ Duo / Core™ 2 Duo / Celeron® M ETXexpress Module



One 200-pin up to 2GB DDR2 SDRAM

Intel® 82801GHM ICH-7M Chipset



Supports 65nm Intel® μFC-PGA 478 / μFC-BGA 479 Core™ Duo / Solo CPU

Intel® 82945GM Chipset

Features

- Supports 65nm Intel® Core™ Duo / Core™ 2 Duo / Celeron® M CPU
- Intel® 82945GM / 945GME Chipset
- One SODIMM up to 1 GB DDR2 SDRAM
- 2-CH LVDS, Dual View & HDTV
- Marvell 88E8053 PCI-E Gigabit LAN
- 4 PCI, 1 PCI Express x16, 3 PCI Express x1
- 2 SATA, 8 USB 2.0, 8-bit GPIO

Intel 945GM

DDR2

Gigabit LAN

HDTV

8 USB 2.0

ETX Modules

Specifications

System

• CPU	Supports 65nm Intel® μFC-PGA 478 / μFC-BGA 479 Core™ Duo / Core™ 2 Duo / Celeron® M CPU Note: Available in different CPU speeds by request
• BIOS	Award 512KB Flash BIOS
• System Chipset	Intel® 82945GM / 945GME GMCH/82801GHM ICH7-M
• System Memory	One 200-pin SODIMM socket supports up to 1 GB DDR2 400/533/667 SDRAM
• Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
• Expansion	Four PCI slots (PCI Rev. 2.3 compliant), three PCI Express x 1 slot, one PCI Express x16 slot

I/O

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

Display

• Chipset	Intel® 82945GM GMCH integrated Extreme Graphics controller
• Display Memory	Intel® DVM T 3.0 Supports up to 224 MB video memory
• Resolution	CRT mode: 2048 x 1536 @32bpp (75 Hz) LCD / Simultaneous mode: 1600 x 1200 @16bpp (60Hz)
• Multiple Display	CRT + LVDS
• LVDS Interface	Dual channel 18/24-bit LVDS
• TV-out	Intel® 82945GM Integrated TV Interface Supports HDTV (For 945GM only)

Ethernet

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

Mechanical & Environmental

• Power Requirement	+12V / VCC5SB
• Power Type	ATX
• Operating Temperature	0~60°C (32~140°F)
• Operating Humidity	0%~90% relative humidity, non-condensing
• Size (L x W)	5" x 3.7" (125 mm x 95 mm)
• Weight	0.44 lbs (0.2 Kg)

Ordering Information

- **ESM-945GM**
Intel® 945GM / 945GME Core™ Duo / Core™ 2 Duo / Celeron® M ETXexpress Module
 - **EEV-EX11 P.1-10**
ETXexpress Carrier Board for Evaluation
 - **ACC-2850HS-01R**
Heat Spreader for ESM-945GM Series
 - **ACC-2850HS-02R**
Heat Spreader for ESM-945GM Series with BGA Type CPU, Height:11mm
 - **ACC-ETEHS-03R**
Heatsink for ETX Express Heat Spread w/o Fan 125 x 95 x 24mm
 - **ACC-ETEHS-04R**
Heatsink for ETX Express Heat Spread with Fan 125 x 95 x 24 mm
- Note: Cable kit not included**