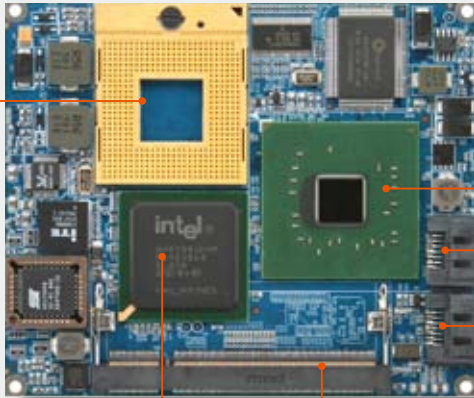




Supports 65nm Intel®
µFC-PGA 478 /
µFC-BGA 479
Core™ 2 Duo /
Core™ Duo CPU



Intel® ICH7-M Chipset One 200-pin up to 2 GB
DDR2 SDRAM

Intel® 945GME Chipset

2 SATA

Features

- Supports 65nm Intel® µFC-PGA 478 / µFC-BGA 479 Core™ 2 Duo / Core™ Duo CPU
- Intel® 945GME / ICH7-M Chipset
- One SODIMM up to 2 GB DDR2 SDRAM
- 2 x 18/24-bit LVDS, Dual View
- AC97 Audio
- Realtek 8101E 10/100 Mbps LAN
- 2 SATA, 4 USB 2.0, 2 COM
- 4 PCI, 1 ISA Bus

Intel 945GME

DDR2

Dual View

4 USB 2.0

ETX 3.0

2 SATA

1 ISA

4 PCI

Specifications

System

CPU	Supports 65nm Intel® µFC-PGA 478 (socket M)/ µFC-BGA 479 Core™ 2 Duo / Core™ Duo CPU, up to 1.86 GHz Note: Available in different CPU speeds by request
BIOS	Award 512 KB Flash BIOS
System Chipset	Intel® 945GME GMCH / ICH7-M
System Memory	One 200-pin SODIMM socket supports up to 2 GB DDR2 400/533/667 SDRAM
Watchdog Timer	Reset: 1 sec.~255 min. and 1 sec. or 1 min./step
Expansion	4 PCI, 1 ISA Bus

I/O

MIO	1 x EIDE (Ultra DMA 100), 2 x SATA, 1 x FDD/LPT, 2 x TTL Serial, 1 x K/B & Mouse
USB	4 x USB 2.0 ports
IrDA	115k bps, IrDA 1.0 compliant

Display

Chipset	Intel® 945GME
Display Memory	Intel® DVMT 3.0 Supports up to 224 MB video memory
Resolution	CRT mode: 2048 x 1536 @ 32 bpp (75 Hz) LCD / Simultaneous mode: 1600 x 1200 @16 bpp (60 Hz)
Multiple Display	CRT + LVDS
LVDS Interface	Dual channel 18/24-bit LVDS
TV-out	Intel® 945GME Integrated TV Interface Supports HDTV

Audio

Chipset	Intel® 82801GHM ICH7-M
AC97 Codec	Realtek ALC203
Audio Interface	Line in, Line out & Mic in

Ethernet

LAN	Realtek 8101E 10/100Mbps (PCIe x 1), supports Wake on LAN
Ethernet Interface	10/100Base-Tx Fast Ethernet compatible

Mechanical & Environmental

Power Requirement	+5V
Power Type	AT / 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-945ETX**
Intel® 945GME Core™ Duo / Core™ 2 Duo / Celeron® M ETX Module
- **EEV-EX01** P. 1-16
ETX carrier board for evaluation
- **ETX Carrier Board** P. 1-17 ~ P. 1-19
Available in various form factors
- **ACC-2745HS-01R**
Heat Spreader for ESM-945ETX with PGA Type (125 x 95 x 8 mm)
- **ACC-2745HS-02R**
Heatsink with fan for ESM-945ETX with PGA Type