

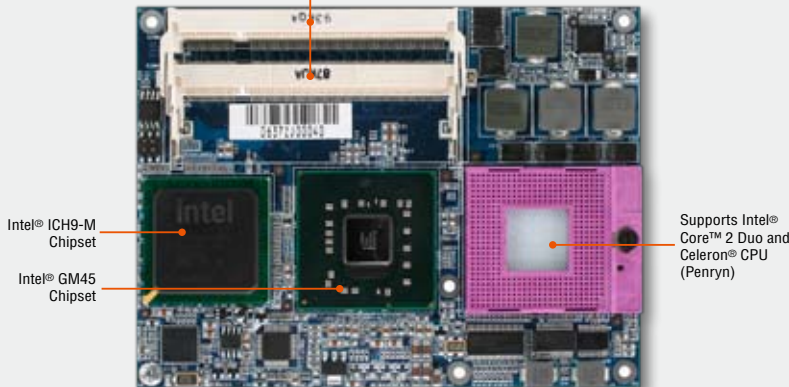


ESM-GM45

Intel® Core™ 2 Duo/ Celeron® M COM Express Module with Intel® GM45 + ICH9-M Chipset



Two 200-pin SODIMM up to 4GB DDR2 SDRAM



Features

- Supports Intel® Core™ 2 Duo and Celeron® M CPU (Penryn)
- Intel® GM45/ ICH9-M Chipset
- Two 200-pin SODIMMs Up to 4GB DDR2 667/ 800 SDRAM
- Dual View, Dual-channel LVDS, TV-out, HDTV
- Intel® High Definition Audio
- Intel® 82583V Gigabit Ethernet
- 4 PCI, 4 PClex1, 1 PClex16, 4 SATA, 8 USB, 8-bit GPIO

Intel® GM45	Dual View	HDTV	GbE	4 PCI
4 PClex1	1 PClex16	4 SATA	8 USB	8 GPIO

Specifications

System

• CPU	Support Intel® Core™ 2 Duo/ Celeron® M CPU(Penryn) (Socket mPGA479M)
• BIOS	Award 8Mbit Flash BIOS
• System Chipset	Intel® GM45/ ICH9-M
• System Memory	Two 200-pin SODIMM Sockets Up to 4GB DDR2 667/ 800 SDRAM
• Expansion	4 x PCI (PCI Rev. 2.3 Compliant), 4 x PClex1, 1 x PClex16

I/O

• MIO	1 x EIDE (Ultra DMA 100), LPC, SMBus/ I ² C Bus, 4 x SATA
• USB	8 x USB 2.0
• DIO	4-bit GPI and 4-bit GPO

Display

• Chipset	Intel® GM45 Integrated
• Display Memory	Intel® DVMT 5.0
• Resolution	CRT Mode: 2048 x 1536 @ 60Hz LCD/ Simultaneous Mode: 1600 x 1200 @ 75Hz
• Multiple Display	CRT + LVDS, CRT + TV-out, LVDS + TV-out
• LVDS Interface	Dual-channel 18/ 24-bit LVDS
• TV-out	Intel® GM45 Integrated TV Interface Supports HDTV

Audio Interface

• Chipset	Intel® ICH9-M
• Audio Interface	Intel® High Definition Audio

Ethernet

• LAN	Intel® 82583V Gigabit Ethernet, Supports Wake on LAN
• Ethernet Interface	1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	+12V, +5Vsb
• ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
• Power Type	AT/ ATX (+5Vsb is Required for AT Input)
• Operating Temperature	0 ~ 60°C (32 ~ 140°F)
• Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
• Size (L x W)	5" x 3.7" (125mm x 95mm)
• Weight	0.44 lbs (0.2kg)

Ordering Information

- **ESM-GM45**
Intel® Core™ 2 Duo/ Celeron® CPU COM Express Module with Intel® GM45 + ICH9-M Chipset
- **EEV-EX13**
COM Express Carrier Board for Evaluation
- **ACC-HSK-2858-1R**
Heatsink with Fan for ESM-GM45