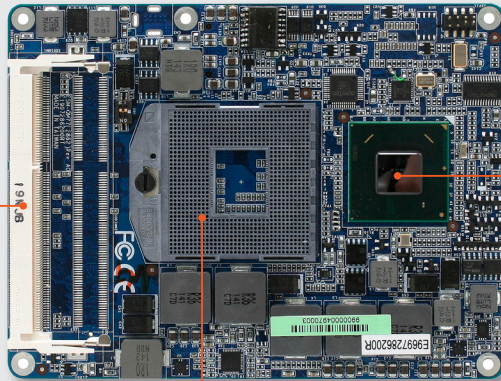




ESM-QM77

Intel® Core™ i7/ i5/ i3 COM Express
Type 6 Module with Intel® QM77 Chipset



One 204-pin SODIMM Up to 8GB DDR3 1333/ 1600 SDRAM

Intel® QM77 Chipset

Intel® Core™ i7/ i5/ i3/ Celeron® (Socket-G2) Socket

Features

- Intel® Core™ i7/ i5/ i3 (Socket-G2) Processors
- Intel® QM77 Chipset
- One 204-pin SODIMM Up to 8GB DDR3 1333/ 1600 SDRAM (Second SODIMM for Optional, Up to 16GB)
- Support CRT, LVDS, Display Port, HDMI, DVI, SDVO
- Intel® High Definition Audio
- Intel® 82579LM Gigabit Ethernet
- 7 PCIe1, 1 PCIe16, 4 SATA, 8 USB 2.0, 4 USB 3.0, 8-bit GPIO
- +9 ~ +19V Wide Range Power Input
- Type 6 Pin-out

Intel® QM77	3 Display	HDMI	Audio	GbE
7 PCIe1	1 PCIe16	4 SATA	12 USB	8-bit GPIO

Specifications

System

• CPU	Intel® Core™ i7/ i5/ i3/ Celeron® (Socket-G2) Processors
• BIOS	AMI 16Mbit SPI BIOS
• System Chipset	Intel® QM77
• System Memory	One 204-pin SODIMM Up to 8GB DDR3 1333/ 1600 SDRAM (Second SODIMM for Optional, Up to 16GB)
• Expansion	7 PCIe1, 1 PCIe16
• EEPROM	ATMEL AT24C02 (Optional)

I/O

• MIO	4 x Serial ATA, SMBus/ I ² C Bus
• USB	8 x USB 2.0, 4 x USB 3.0
• DIO	4-bit GPI and 4-bit GPO

Display

• Chipset	Intel® QM77 Chipset Integrated
• Memory	DVMT 5.0 Up to 512MB
• Resolution	CRT Mode: 2048 x 1536 LCD/ Simultaneous Mode: 1920 x 1200
• LVDS Interface	Dual-Channel 18/24-bit LVDS
• Display Supported	SDVO, HDMI, DVI, Display Port

Audio Interface

• Chipset	Intel® QM77 Integrated
• Interface	Intel® High Definition Audio

Ethernet

• LAN	Intel® 82579LM Gigabit Ethernet
• Ethernet Interface	10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environmental

• Power Requirement	+9 ~ +19V
• ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
• Power Type	AT/ 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-QM77
Intel® Core™ i7/ i5/ i3 COM Express Type 6 Module with Intel® QM77 Chipset
- EEV-EX14
COM Express Type 6 Carrier Board for Evaluation