

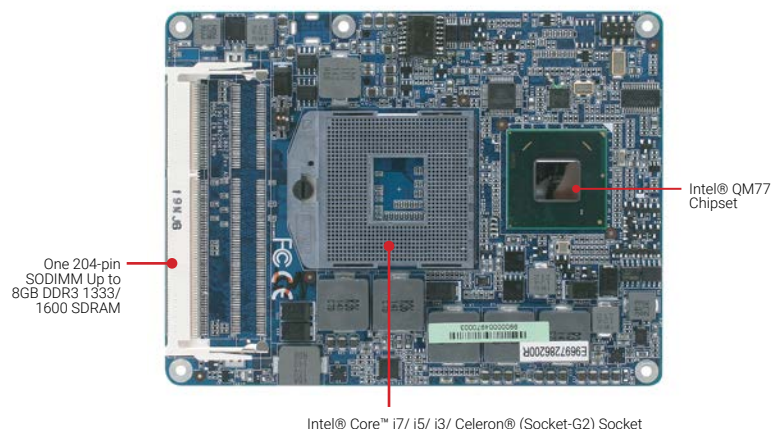
ESM-QM77

COM Express Module

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

Features

- Intel® Core™ i7/ i5/ i3 (Socket-G2) Processors
- Intel® QM77 Chipset
- Supports CRT, LVDS, Display Port, HDMI, DVI
- 7 PCIe1, 1 PCIe16
- 4 SATA
- 8 USB 2.0, 4 USB 3.0
- +9 ~ +19V Wide Range Power Input
- Type 6 Pin-out
- Support TPM
- EEPROM: ATMEL AT24C02 (Optional)



Specifications

System

CPU	Intel® Core™ i7/ i5/ i3/ Celeron® (Socket-G2) Processors
BIOS	AMI 64Mbit SPI BIOS
System Chipset	Intel® QM77 Express
System Memory	One 204-pin SODIMM Up to 8GB DDR3 1333/ 1600 SDRAM
Expansion	7 PCIe1, 1 PCIe16

OS Support

OS Info	Win XP, Win 7, Linux
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I/O

MIO	4 x Serial ATA, SMBus/ I²C Bus
USB	8 x USB 2.0, 4 x USB 3.0
DIO	4-bit GPI, 4-bit GPO

Display

Chipset	Intel® QM77 Express Chipset Integrated
Resolution	CRT Mode: 2048 x 1536 LCD/ Simultaneous Mode: 1920 x 1200
Multiple Display	HDMI, DVI, Display Port
LCD Interface	Dual-Channel 18/24-bit LVDS

Audio

HD Codec	Intel® QM77 Integrated
Audio Interface	Intel® High Definition Audio

Ethernet

LAN Chip	Intel® 82579LM (PHY) Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible

Mechanical & Environment

Power Requirement	+9 ~ +19V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 3.0 Compliant
Power Type	AT/ATX
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-40 ~ 75°C (-40 ~ 167°F)
Operating Humidity	0%~90% Relative Humidity, Non-condensing
Form Factor	COM Express Modules, COMe 2.1.Type 6
Dimensions	5" x 3.7" (125mm x 95mm)
Weight	0.44lbs (0.2kg)

Ordering Info

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

* All product specifications and images are subject to change without notice.
Last update: 03/17/2015