



ESM-QM77B

3th Gen Intel Core™ Processor i7/i5/i3 Type6
COMe Basic Module with Intel® QM77 Chipset

- > Onboard 3rd Gen Intel® Core™ i7/i5/i3 BGA Processors
- > Intel® QM77 Chipset
- > One 204pin SODIMM Up to 8GB DDR3 1333/1600 SDRAM (Second SODIMM for optional, up to 16GB)
- > Support CRT, LVDS, Display Port, HDMI, DVI
- > 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
- > Support TPM

+ Spec

System	
Processor	Intel®Core™ i7/ i5/ i3 Processor
System Chipset	Intel®QM77 Express Chipset
System Memory	2 x 204-Pin DDR3 1333/1600MHz SO-DIMMup to 16 GB
BIOS	AMI 64Mbit SPI BIOS
TPM	TPM 1.2
Expansion	
Expansion	7 x PCIe1 1 x PCIe16
I/O	
USB	8 x USB 2.0 4 x USB 3.0
SATA	2 x SATA II 2 x SATA III
DIO	1 x 8bit GPIO
MIO	1 x LPC 1 x SMBus 1 x I2C
Display	
Chipset	Intel®QM77 Chipset Integrated Supports dual display
Resolution	VGA:Max. resolution 1920x1200@ 60Hz HDMI:Max. resolution 1920x1200@ 60Hz LVDS:Max. resolution 1920x1200@ 60Hz
LVDS	CH7511B(eDP to LVDS)
Multiple Display	HDMI+DVI DDI+LVDS
DDI	HDMI DVI DisplayPort
Audio	
Chipset	Intel®QM77 integrated
Audio Interface	Intel®High Definition Audio
Ethernet	
Chipset	1 xintel®82579LM
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
Mechanical & Environmental	
Power Requirement	+9V ~ +19V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI3.0 Compliant
Power Type	AT/ATX
Operating Temp	0°C ~ 60°C (32°F ~ 140°F) (Standard) (Extended)
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (L x W)	5" x 3.7" (125mm x 95mm)
Certifications	
Certification Information	CE FCC Class B
Software Support	
OS Information	Win XP Win 7 Linux



 Ordering

EEV-EX14-A1R
mATX Ev. Board for COMe Type 6 A1

ESM-QM77B-3612-A1R
Intel® QM77 COM Express Module Type 6 on board i7-3612QE CPU

ESM-QM77B-3517-A1R
Intel® QM77 COM Express Module Type 6 on board i7-3517UE CPU

ESM-QM77B-3120-A1R
Intel® QM77 COM Express Module Type 6 on board i3-3120ME CPU

ESM-QM77B-3517-B1R
Intel® QM77 COM Express Module Type 6 on board i7-3517UE CPU, Wide Temp (-40 to 85)

EEV-EX62-A1R
COMe Type 6 to Type 2 Adapter

