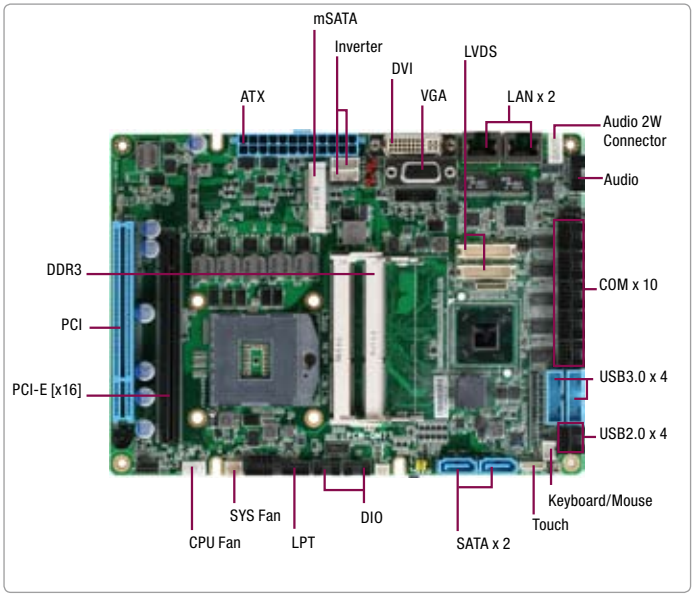
PCM-QM77

Compact Board With Intel® 3rd Generation Core™ i Series i7/i5/i3 Mobile Processor



Specifications

System	
Form Factor	5.25"
Processor	Intel® 3rd Generation Core™ i7/i5/i3 Mobile processor
System Memory	204-pin SODIMM DDR3 1333/1600MHz x 2 up to 16GB
Chipset	Intel® 3rd Generation Core™ i Series + QM77/HM76
I/O Chipset	Fintek 81866D& F81216D
Ethernet	Intel® 82579LM x 1/Intel® 82583V x 1, 10/100/1000Base LANs, RJ-45 x 2
BIOS	UEFI
Wake on LAN	Yes
Watchdog Timer	Programmable 255 level System Reset
H/W Status Monitoring	Supports Power Supply Voltage, FAN Speed and Temperature Monitoring
Expansion Interface	Mini Card, 16-bit DIO, PCI, PCI-E [x16]
Battery	Lithium battery
Power Requirement	AT/ATX (default)
Power Consumption (Typical)	—
Board Size	8" x 5.75"(203mm x 146mm)
Gross Weight	1.2 lb (0.5 Kg)
Operating Temperature	32 °F ~ 140 °F (0 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
MTBF (Hours)	—
Display	Supports CRT/LCD/DVI simultaneous/Dual view displays
Chipset	Intel® QM77/HM76 integrated
Resolution	Up to 2048 x 1536 for CRT, Up to 1920 x 1200 for DVI Up to 1920 x 1080 for LCD
LCD Interface	Up to 24-bit Dual channel LVDS x 2
I/O	
Storage	SATA 3 x 2, mSATA x 1, CFast™ x 1
Serial Port	RS-232 x 8, RS-232/422/485 x 2(COM2/6)
Parallel Port	SPP/EPP/ECP x 1
USB	USB 3.0 x 4, USB 2.0 x 4
PS/2 Port	Keyboard x 1,Mouse x 1
DIO	Digital I/O Support 16-bit (Programmable)
Audio	Line-in/Line-out/Mic-in
Touch Screen	Supports 4/5-wire resistive touch screen (optional)

Features

- **Intel® 3rd Generation Core™ i Series i7/i5/i3/Celeron® PGA Processor**
- **Intel® 3rd Core™ i Series + QM77/HM76**
- **204-pin SODIMM DDR3 1333/1600MHz x 2 up to 16GB**
- **Intel® 82579LM x 1/ Intel® 82583V x 1 10/100/1000Base-TX LANs, RJ-45 X 2**
- **Up to 24-bit Dual Channel LVDS x 2, CRT, DVI**
- **2CH HD Audio**
- **SATA 6.0Gb/s x 2, mSATA x 1, CFast™ x 1**
- **USB 3.0 x 4, USB2.0 x 4, COM x 10, 16-bit Digital I/O**
- **Expansion : Mini Card x 1, PCI-104, Touch, TPM (Optional), PCI, PCI-E [x16]**
- **AT/ATX Power Input**
- **Supports iAMT8.0 and RAID 0,1 for QM77 Chipset**
- **Support AAEON Hi-Safe/Hi-Manager SDK & Utility**

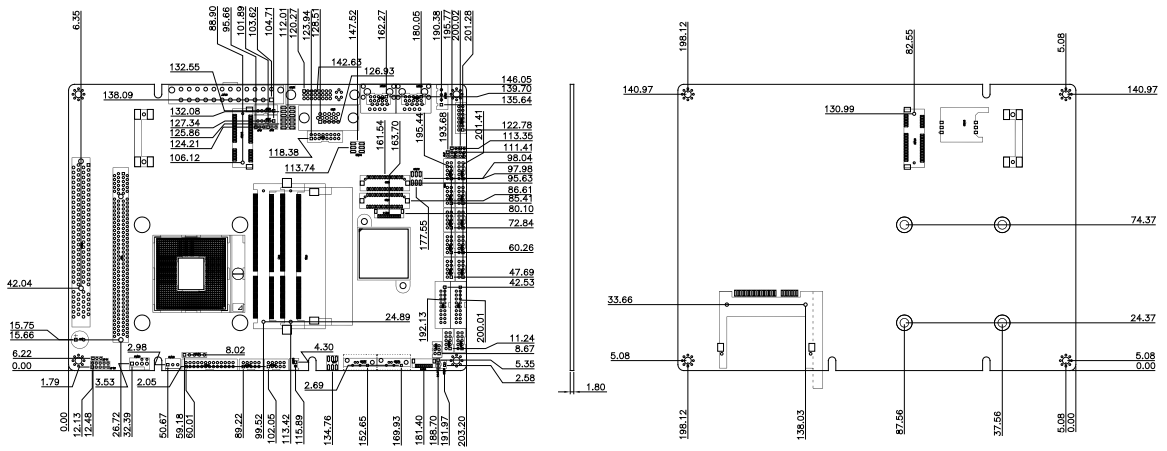
Packing List

- **Jumper Cap**
- **CPU Cooler FAN + Heatsink**
- **Product CD**
- **PCM-QM77**

PCM-QM77

Dimension

Unit: mm



Ordering Information

Part Number	CPU	Fan/Fanless	Display Combination	Storage	LVDS	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Temp
TBD	Socket 989P/B (QM77)	Fan	CRT+DVI, CRT+LVDS, DVI+LVDS	SATA x 2 mSATA x 1	24-bit, 2CH	GbE x 2	USB3.0 x 4, USB2.0 x 4	8	2	PCI-Express x16, PCI x 1, Mini Card x 1, the 2nd Mini Card, SIM Card x 1	AT/ATX	0°C ~ 60°C
TBD	Socket 989P/B (HM76)	Fan	CRT+LVDS	SATA x 2 mSATA x 1	24-bit, 2CH	GbE x 2	USB3.0 x 4, USB2.0 x 4	5	1	PCI-Express x16, PCI x 1, Mini Card x 1, the 2nd Mini Card, SIM Card x 1	AT/ATX	0°C ~ 60°C

Optional Accessories

- **TBD**