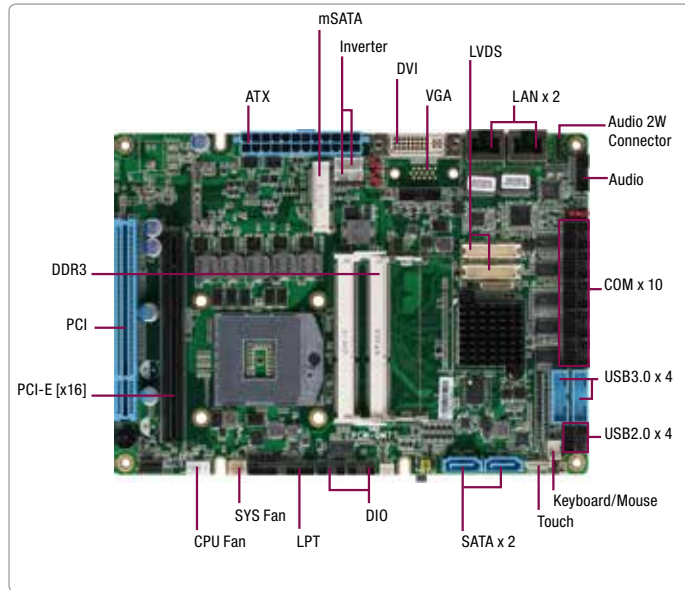


PCM-QM77

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



Features

- Intel® 3rd Generation Core™ i Series i7/i5/i3/Celeron® PGA Processor
- Intel® 3rd Core™ i Series + QM77/HM76
- 204-pin SODIMM DDR3/L 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
- Mini Card x 1, Touch (Optional), TPM (Optional), PCI, PCI-E [x16], SIM Card, LPT
- AT/ATX Power Input (Default ATX)
- Supports iAMT8.0 and RAID 0,1 for QM77 Chipset
- Support AAEON Hi-Safe/Hi-Manager SDK & Utility

Specifications

System	
Form Factor	5.25"
Processor	Intel® 3rd Generation Core™ i7/i5/i3/Celeron® Mobile processor
System Memory	204-pin SODIMM DDR3/L 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, PCI, PCI-E [x16], SIM
Battery	Lithium battery
Power Requirement	AT/ATX (default)
Power Consumption (Typical)	Intel® Core™ i7-3610QE, 2.3GHz, DDR3 1600 8G, 3.29A@+12.24V, 2.98A@+4.95V
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)	84,000
Display	
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)



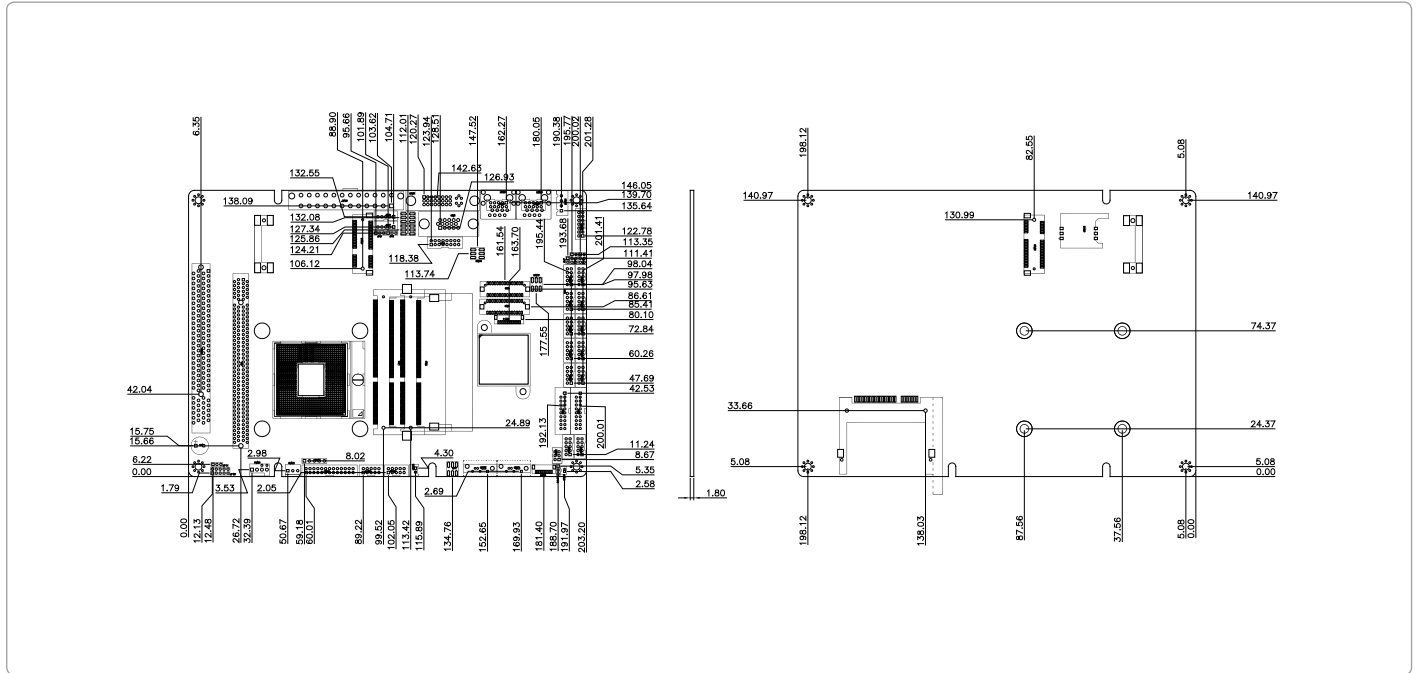
Packing List

- Jumper Cap
- CPU Cooler FAN + Heatsink
- Product DVD
- 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
PCM-QM77-A10	Socket 988B	Fan	CRT+DVI, CRT+LVDS, DVI+LVDS	SATA x 2 mSATA x 1	24b, 2CH	GbE x 2	USB3.0 x 4, USB2.0 x 4	8	2	PCI-Express x16, PCI x 1, Mini Card x 1, mSATA x 1, SIM Card x 1	AT/ATX	0°C ~ 60°C

Optional Accessories

- **1701100260**
COM Port Cable 20cm
- **1700190450**
USB3.0 Cable 45cm
- **1709100201**
USB2.0 Cable 20cm
- **1700060152**
PS2 KB/MS Cable 15cm
- **1709070500**
SATA Cable 50cm
- **1702150155**
SATA HDD Power Cable 15cm
- **1700140510**
Audio Cable 51cm
- **1701160201**
VGA Cable 20cm
- **1701260200**
Parallel Port Cable 20cm