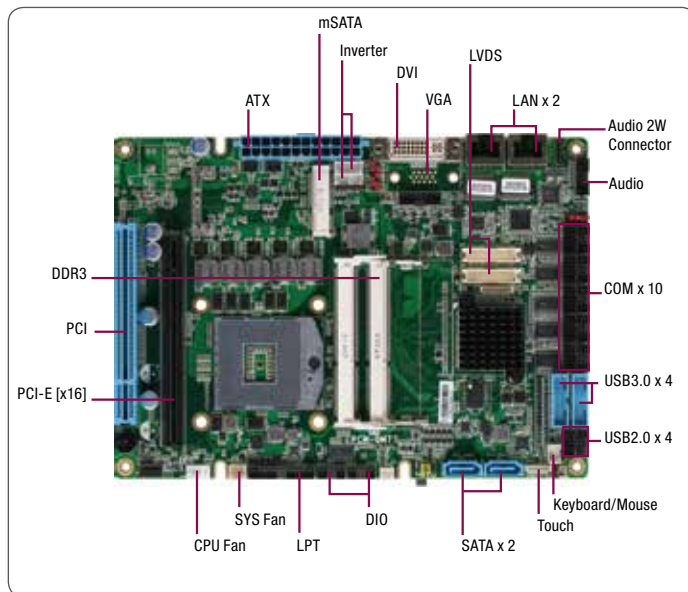


# PCM-QM77

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



## Features

- Intel® 3rd Generation Core™ i7/i5/i3/Celeron® PGA Processor
- Intel® 3rd Generation Core™ i Series + QM77/HM76
- 204-pin SODIMM DDR3/L 1333/1600 MHz x 2, Up to 16 GB
- Intel® 82579LM x 1/ Intel® 82583V x 1, 10/100/1000Base-TX Ethernet, RJ-45 x 2
- Up to 24-bit Dual-Channel LVDS x 2, CRT, DVI
- 2CH HD Audio
- SATA 6.0 Gb/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, PCI, PCI-E [x16], SIM Card, LPT
- AT/ATX Power Input (Default ATX)
- Supports iAMT8.0 and RAID 0,1 for QM77 Chipset
- Supports 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 1333/1600 MHz x 2, up to 16 GB
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-TX, 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, 2.3 GHz, DDR3 1600 8 GB, 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 6.0 Gb/s 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

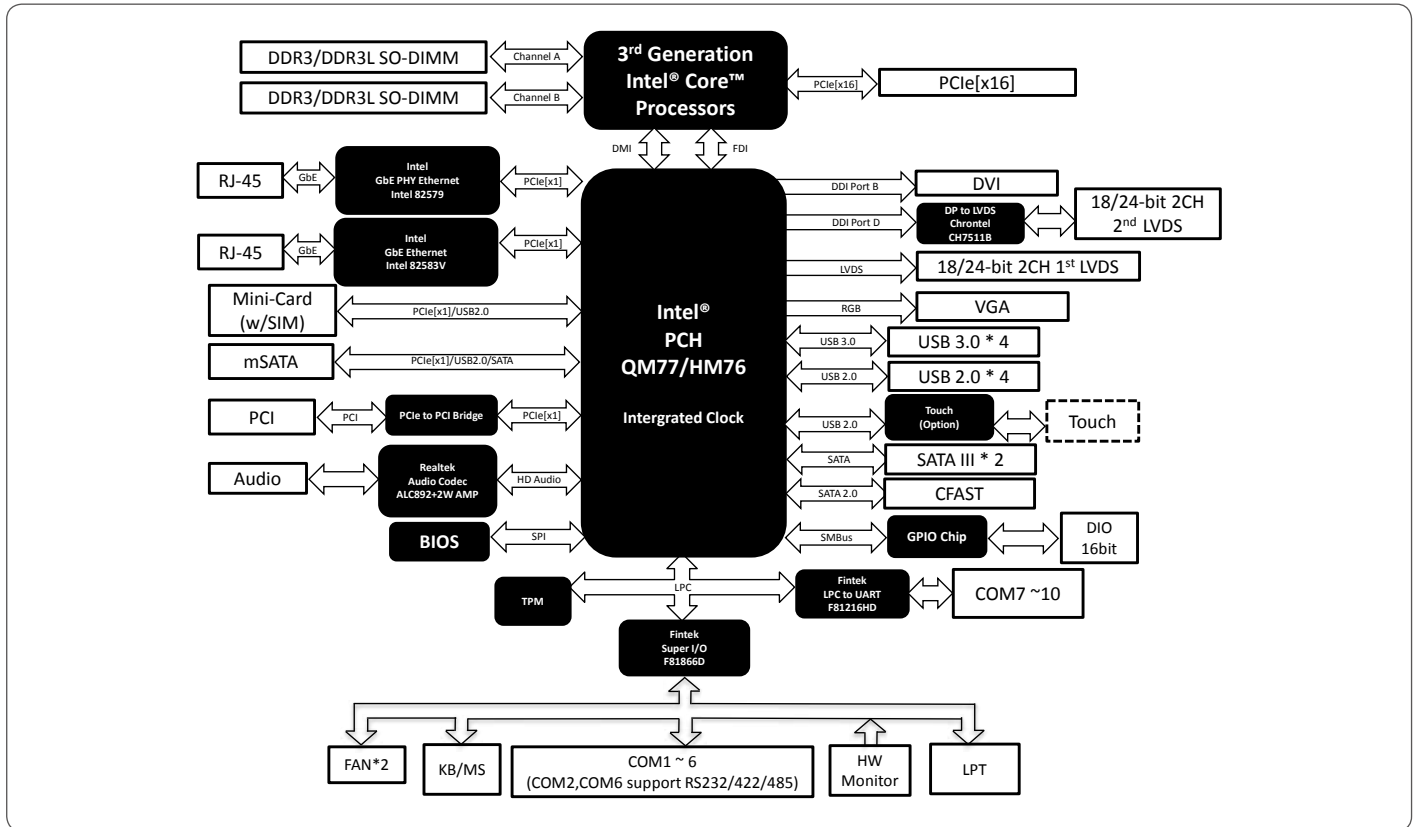
- Jumper Cap
- CPU Cooler FAN + Heatsink
- Product DVD
- PCM-QM77

## Optional Accessories

- **1701100206**  
COM Port Cable 20cm
- **1700200401**  
USB3.0 Cable 40cm x 2
- **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
- **1700160201**  
VGA Cable 20cm
- **1701260200**  
Parallel Port Cable 20cm

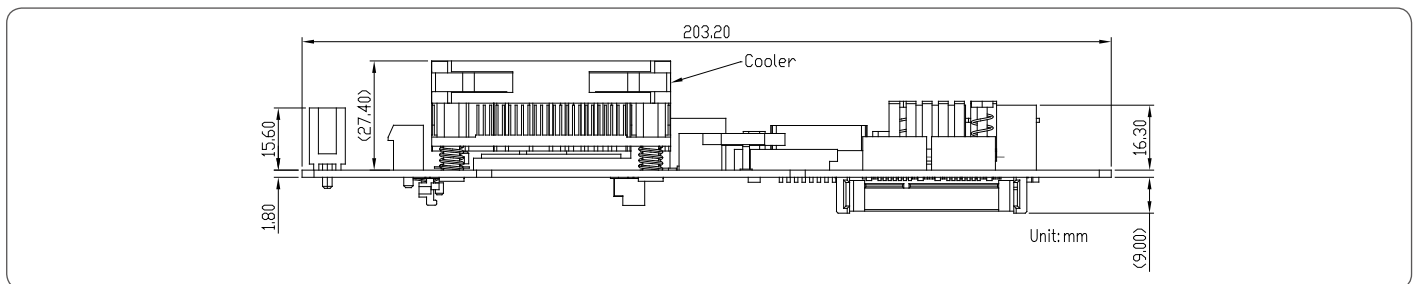
# PCM-QM77

## Block Diagram



## Dimension

Unit: mm



## Ordering Information

Part Number	CPU	Memory	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
PCM-QM77-A10	Socket 988B	DDR3 x 2 (Max. 16 GB)	Fan	CRT+DVI, CRT+LVDS, DVI+LVDS	24b, 2CH	SATA x 2, mSATA/ Mini-Card x 1	GbE x 2	USB3.0 x 4 USB2.0 x 4	8	2	PCI-Express [x16], PCI x 1 Mini-Card x 1, SIM x 1	+12V (ATX)	0°C ~ 60°C	TPM DIO 16-bit, LPT