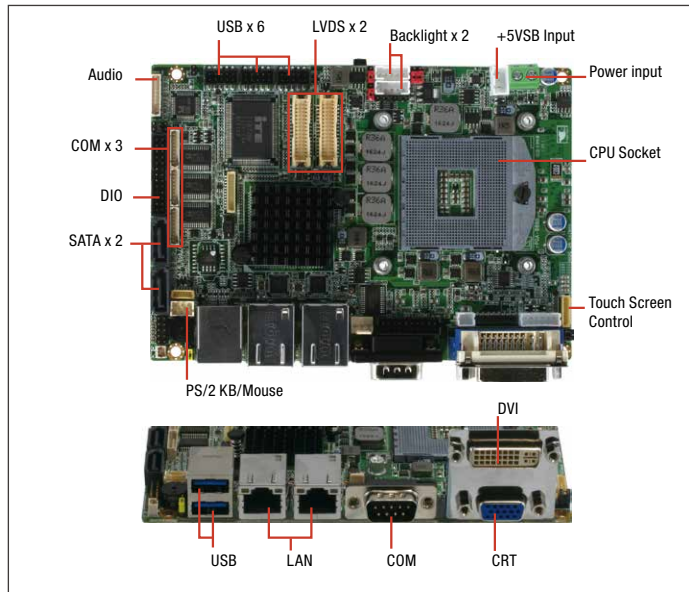


3.5" SubCompact Board with Intel® 2nd Generation Core™ i5 Mobile/ Celeron® Processor



Features

- Intel® 2nd Generation Core™ i5 Mobile/ Celeron® (32nm) Processor
- Intel® QM67
- DDR3 1066/1333 MHz SODIMM x 1, Up to 8 GB
- Gigabit Ethernet x 2, RJ-45 x 2
- CRT, 18/24-bit Dual-Channel LVDS LCD x 2, DVI
- 2CH HD Audio
- SATA 6.0 Gb/s x 2 (RAID by BIOS), CFast™ x 1
- USB2.0 x 8, COM x 4, 8-bit Digital I/O
- Mini-Card x 1
- +12V Only Operation
- Supports iAMT with Intel® QM67
- Onboard 4/5/8-wire Resistive Touch Screen Controller
- AAEON Hi-Safe/Hi-Manager SDK/Utility Supported
- mSATA x 1 (Optional, Sharded Mini-Card Interface)

Specifications

System	
Form Factor	3.5" SubCompact Board
CPU	Intel® Core™ i7/i5/i3/Celeron® (Socket-G2 based, ≤35W)
CPU Frequency	Up to 2.5 GHz
Chipset	Intel® PCH QM67
Memory Type	DDR3 1066/1333, SODIMM x 1
Max. Memory Capacity	8 GB
BIOS	SPI type
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12V
Power Supply Type	AT/ ATX
Power Consumption (Typical)	Intel® Core™ i5-2510E, DDR3 1333 4 GB, 3.47A@+12V
Dimension (L x W)	5.75" x 4" (146mm x 101.6mm)
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)	51,000
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Core™ i7/i5/i3 integrated
Video Output	CRT+LVDS, CRT+DVI, CRT+HDMI, LVDS+DVI, LVDS+HDMI, DVI+HDMI, LVDS+LVDS
Backlight inverter supply	Up to 24-bit dual-channel LVDS x 2
I/O	
Ethernet	Intel® 82579LM, Realtek RTL-8111E, 10/100/1000Base
Audio	High Definition Audio Interface
USB Port	USB2.0 x 8
Serial Port	RS-232 x 3, RS-232/422/485 x 1
Parallel Port	SPP/EPP/ECP x 1 (Sharded with DIO, By BIOS setting)
HDD Interface	SATAIII x 2
FDD Interface	—
SSD	CFast™ mSATA (share with Mini-Card by BOM)
Expansion Slot	Mini-Card x 1
DIO	8 bit
TPM	x 1
Touch	x 1



Packing List

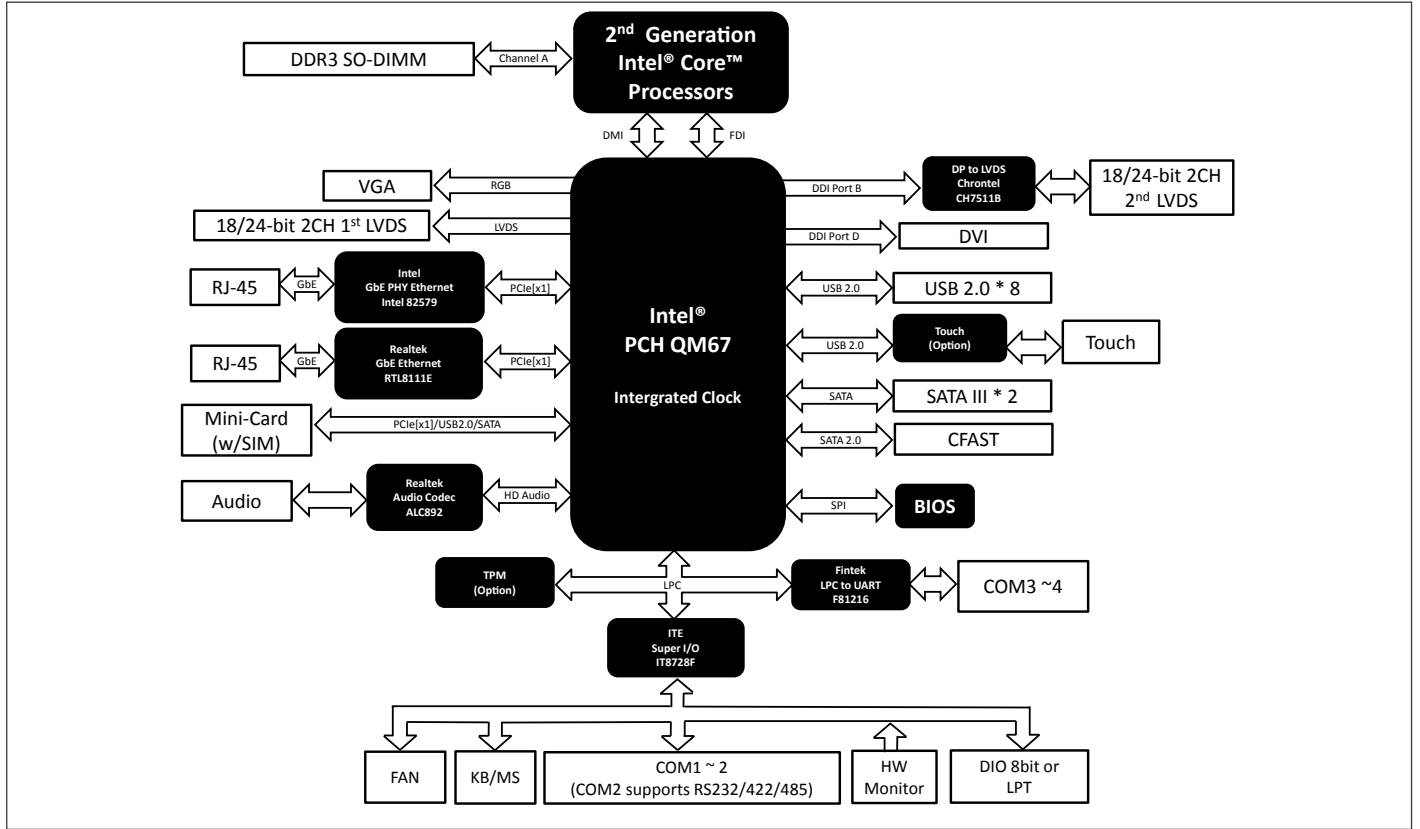
- Cooler
- Product DVD
- GENE-QM67

Optional Accessories

- **1709100208**
USB Cable, Length 20cm
- **1701090150**
COM Port Cable, Length 15cm
- **1709100254**
Audio Cable, Length 25cm
- **1702150155**
Power Cable for 2.5" SATA Hard Disk, Length 15cm
- **1709070500**
SATA Cable, Length 50cm
- **170204010R**
Big Double Row 4-Pin Power Input Cable For +12V Input, Length 10cm
- **1700060157**
Keyboard/Mouse Cable

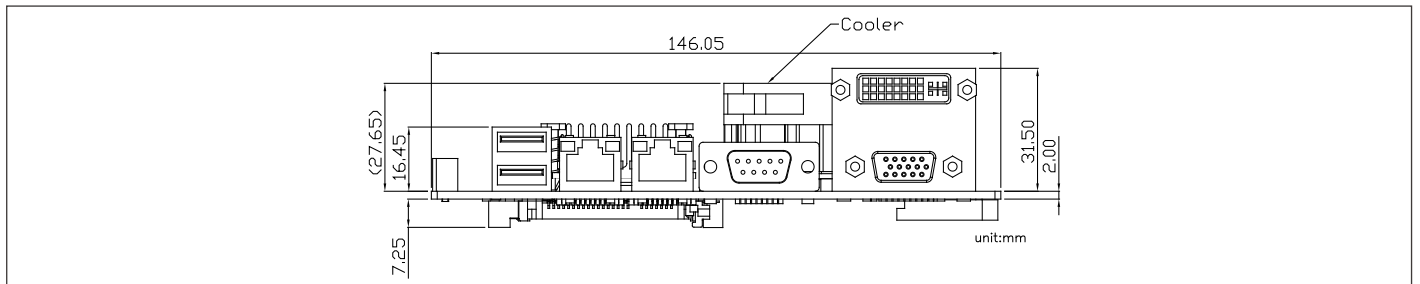
GENE-QM67

Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	CPU	Chipset	Fan/Fanless	Display	LVDS	Storage	LAN	USB	RS-232	RS-232/422/485	Expansion Slot	Power	Power Temp	Others
TF-GENE-QM67-A10	Socket	Intel® QM67	Fan	CRT + LVDS CRT + DVI LVDS +DVI LVDS + LVDS	1st 18/24b, 2CH 2nd 18/24b, 2CH	SATA x 2 CFast™ x 1 mSATA (optional)	GbE x 2	UBS2.0 x 8	3	1	Mini-Card x 1	+12V, AT/ATX	0°C ~ 60°C	Touch Controller, TPM, DIO x 8