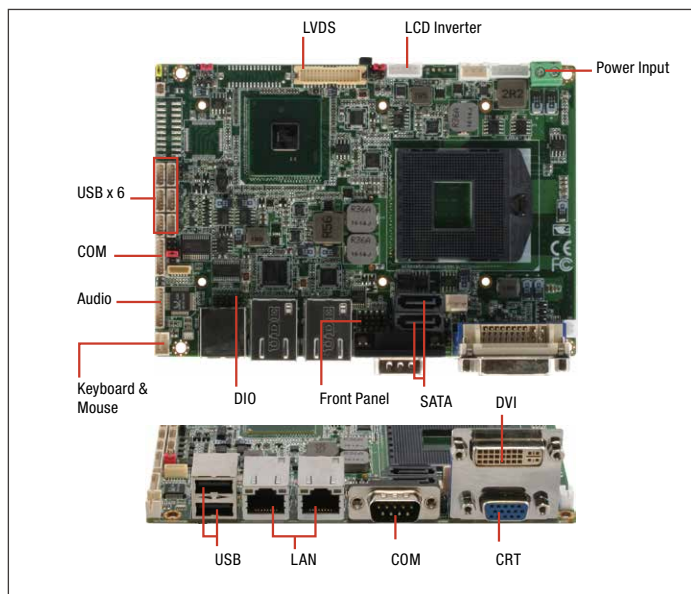


3.5" SubCompact Board with Intel® Core™ i7/i5 Mobile/Celeron® Processor



Features

- Intel® Core™ i7/i5 Mobile/Celeron® (32nm) Processor
- Intel® QM57
- DDR3 800/1066 MHz SODIMM x 1, Up to 4 GB
- Gigabit Ethernet x 2, RJ-45 x 2
- CRT, 18/24-bit Dual-Channel LVDS LCD, DVI
- 2CH HD Audio
- SATA 3.0 Gb/s x 2 (RAID by BIOS), CFast™ x 1
- USB2.0 x 8, COM x 2, 8-bit Digital I/O
- Mini-Card x 1
- +12V Only Operation
- Supports iAMT 6.0 with Intel® QM57

Specifications

System	
Form Factor	3.5" SubCompact Board
CPU	Intel® Core™ i7/i5 Mobile
CPU Frequency	Up to 2.66GHz
Chipset	Intel® QM57/HM55
Memory Type	SODIMM DDR3 800/1066, SODIMM x 1
Max. Memory Capacity	4 GB
BIOS	AMI 8MB
Wake on LAN	Yes
Watchdog Timer	255 Levels
Power Requirement	+12V
Power Supply Type	AT/ATX
Power Consumption (Typical)	Intel® Core™ i7 620M@2.66 GHz, DDR3 4 GB 1066 MHz 3.64A@+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)	69,000
Certification	CE/FCC
Display	
VGA/LCD Controller	Intel® Core™ i7/i5 Mobile
Video Output	CRT, LVDS x 2, DVI x 2
Backlight inverter supply	Up to 24-bit dual-channel LVDS
I/O	
Ethernet	10/100/1000Base-TX x 2, Intel® 82577LM, Intel® 82574L
Audio	Line in, Line out, Mic
USB Port	USB2.0 x 8
Serial Port	RS-232 x 1, RS-232/422/485 x 1
Parallel Port	—
HDD Interface	SATA 2 x 2
FDD Interface	—
SSD	CFast™
Expansion Slot	Mini-Card, LPC
DIO	8 bit
TPM	x1
Touch	—



Packing List

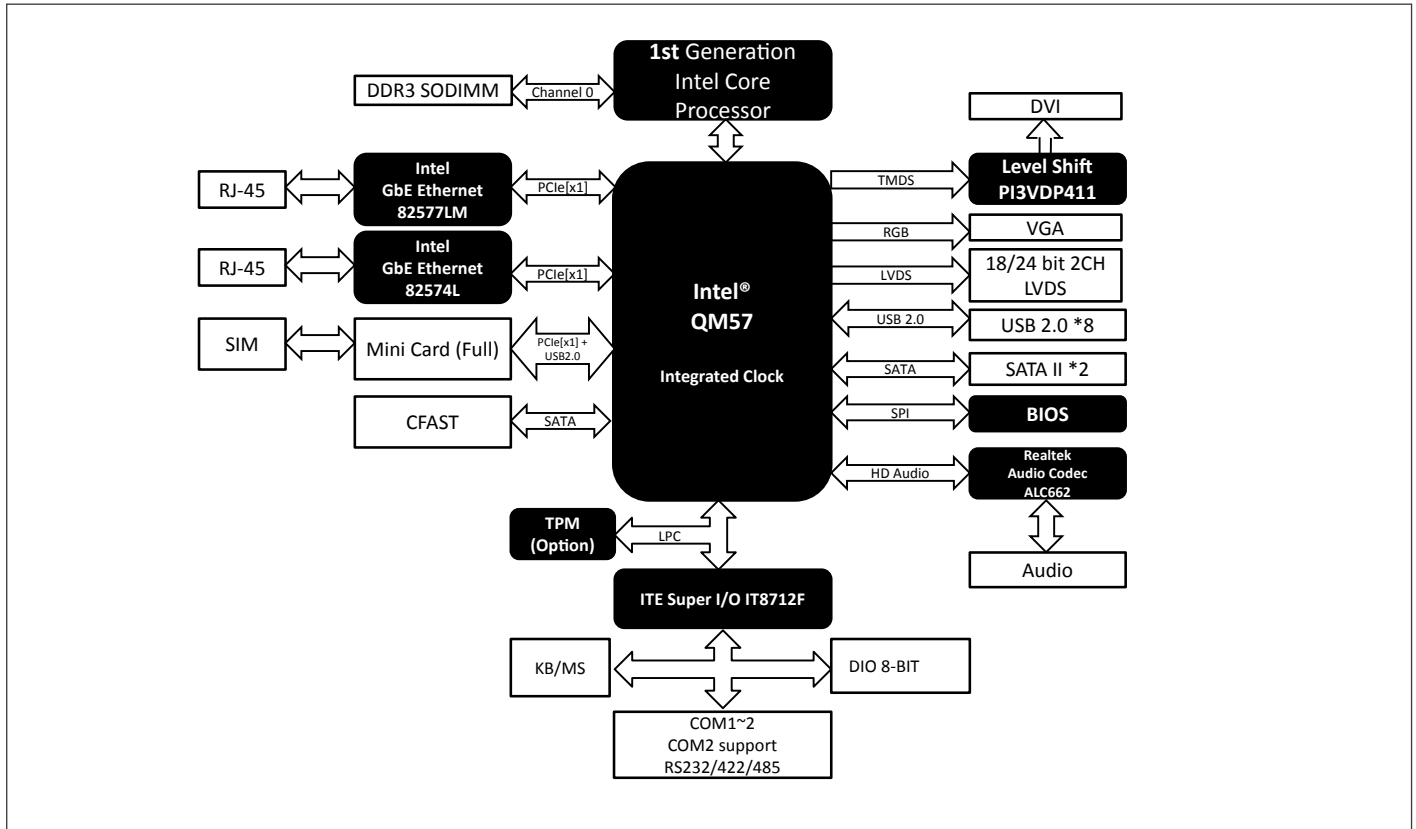
- Cooler
- Product DVD
- GENE-QM57

Optional Accessories

- **1700050207**
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
- **1702002010**
Big Single Row 4-pin Power Input Cable for +12V Input, Length 10cm
- **1700060157**
Keyboard/ Mouse Cable

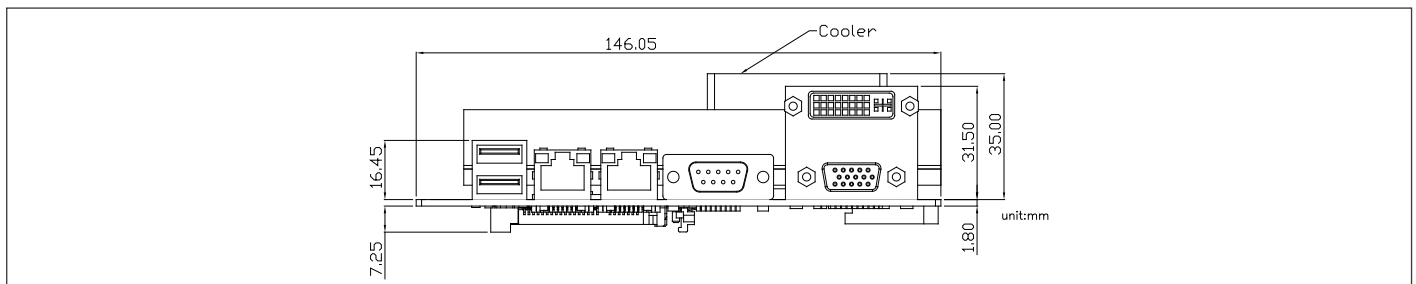
GENE-QM57

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-QM57-A10	Socket	Intel® QM57	Fan	CRT + LVDS CRT + DVI DVI + LVDS	18/24b, 2CH	SATA x 2 CFast™ x 1	GbE x 2	USB2.0 x 8	1	1	Mini-Card x 1	+12V, AT/ATX	0°C ~ 60°C	DIO x 8
TF-GENE-QM57-A10-01	Socket	Intel® QM57	Fan	CRT + LVDS	18/24b, 2CH	SATA x 2 CFast™ x 1	GbE x 2	USB2.0 x 8	1	1	Mini-Card x 1	+12V, AT/ATX	0°C ~ 60°C	DIO x 8