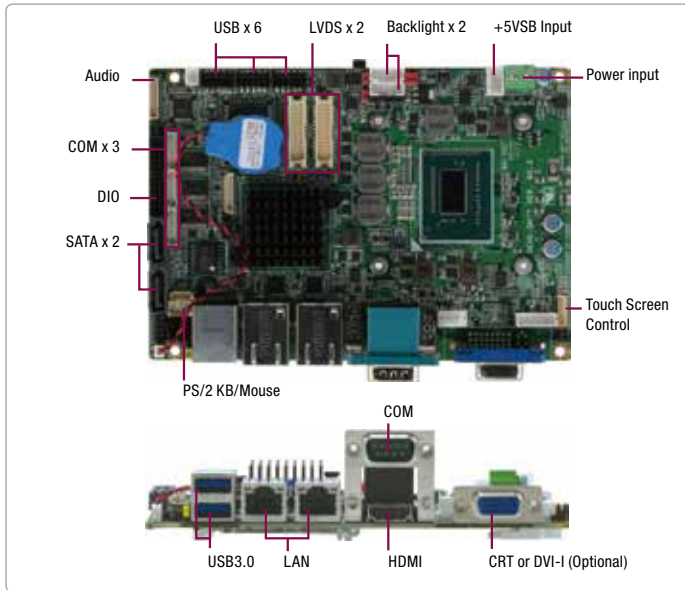


# GENE-QM77 Rev. B

3.5" SubCompact with Onboard Intel® Core™ i7-3555LE/ Celeron® 847E Processor

03

SubCompact Boards



## Features

- Onboard Intel® Core™ i7-3555LE/ Celeron® 847E Processor
- Intel® QM77/HM76
- SODIMM DDR3 1333/1600, Max. 8 GB
- Gigabit Ethernet x 2, RJ-45 x 2
- CRT or DVI (Optional), 18/24-bit Dual-Channel LVDS LCD x 2, HDMI
- 2CH HD Audio
- SATA 6.0Gb/s x 2 (Optional RAID), CFast™ x 1
- USB3.0 x 2, USB2.0 x 6, COM x 4, 8-bit Digital I/O
- Mini Card x 1
- +12V Only Operation
- Supports iAMT with Intel® QM77
- Onboard 4/5/8-wire Resistive Touch Screen Controller
- AAEON Hi-Safe/Hi-Manager SDK/Utility Supported
- mSATA x 1 (Optional, Would Replace Mini Card Interface)

## Specifications

| System                        |   |
|-------------------------------|---|
| Form Factor                   | 3.5"  |
| Processor                     | Onboard Intel® Core™ i7-3555LE/ Celeron® 847E Processor           |
| System Memory                 | 204-pin SODIMM DDR3, Max. 8 GB x 1                                |
| Chipset                       | Intel® QM77/HM76  |
| I/O Chipset                   | ITE IT8728  |
| Ethernet                      | Intel® 82579LM & Realtek RTL-8111E, 10/100/1000Base-TX, RJ-45 x 2 |
| BIOS                          | AMI BIOS - 16MB SPI Flash   |
| Wake on LAN                   | Yes   |
| Watchdog Timer                | Generates a time-out system reset                                 |
| H/W Status Monitoring         | Supports power supply voltages and temperature monitoring         |
| Expansion Interface           | Mini Card x 1, LPC  |
| Trusted Platform Module (TPM) | Infineon SLB 9635TT 1.2   |
| Battery                       | Lithium battery   |
| Power Requirement             | +12V, AT/ATX  |
| Power Consumption (Typical)   | Intel® Core™ i7-3555LE 2.5 GHz, DDR3 1333 8G<br>2.49A@+12V        |
| Board Size                    | 5.75" x 4" (146mm x 101.6mm)                                      |
| Gross Weight                  | 0.88 lb (0.4 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% R/H, non-condensing                                      |
| MTBF (Hours)                  | —   |
| Display                       |   |
|                               | Supports CRT/LCD, HDMI/LCD simultaneous/ dual view displays       |
| Chipset                       | Intel® CPU integrated   |
| Memory                        | Shared system memory up to 512MB                                  |
| Resolutions                   | Up to 2048 x 1536 for CRT, up to 1920 x 1200 for LCD, HDMI        |
| LCD Interface                 | Up to 24-bit dual-channel LVDS x 2                                |
| HDMI                          | HDMI x 1  |
| DVI (Optional)                | DVI x 1 (optional)  |
| I/O                           |   |
| Storage                       | SATA 6.0Gb/s x 2, CFast™ x 1                                      |
| Serial Port                   | RS-232 x 3, RS-232/422/485 (auto flow) x 1                        |
| Parallel Port                 | SPP/EPP/ECP x 1 (By BIOS setting)                                 |
| USB                           | USB3.0 x 2, USB2.0 x 6  |
| PS/2 Port                     | Keyboard x 1, Mouse x 1   |
| Digital I/O                   | Supports 8-bit (Programmable)                                     |
| Audio                         | Line-in, Line-out, Mic-in   |
| Touch Screen                  | Support 4/5/8-wire resistive touch screen                         |



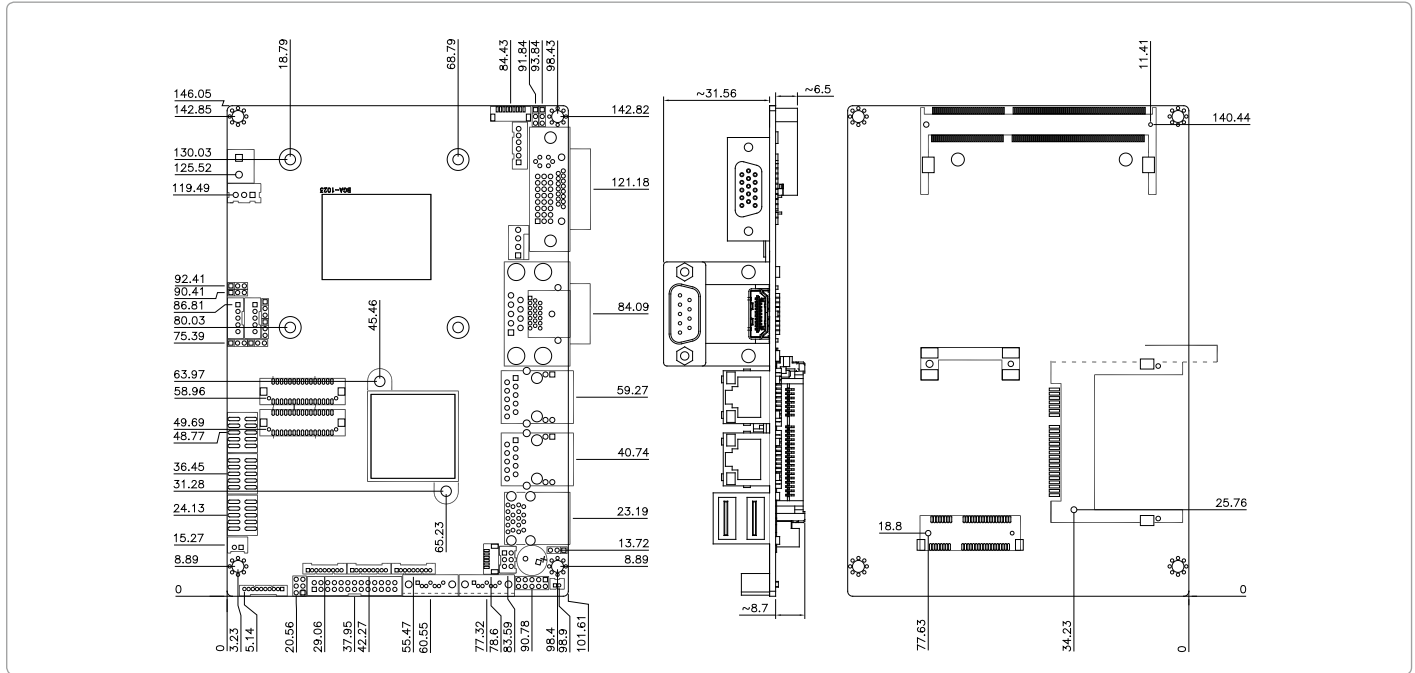
## Packing List

- Product DVD
- GENE-QM77 Rev. B with Active Cooler

# GENE-QM77 Rev. B

## 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        | Temp       |
|------------------|------------------------|-------------|-------------|--|--|-------------------------|---------|--------------------------|--------|----------------|----------------|--------------|------------|
| GENE-QM77-B10    | Intel® Core™ i7-3555LE | Intel® QM77 | FAN         | CRT + LVDS<br>CRT + HDMI<br>LVDS + HDMI<br>LVDS + LVDS | 1st 18/24-bit,<br>2CH<br>2nd 18/24-bit,<br>2CH | SATA x 2,<br>CFast™ x 1 | GbE x 2 | USB3.0 x 2<br>USB2.0 x 6 | 3      | 1              | Mini Card x 1  | +12V, AT/ATX | 0°C ~ 60°C |
| GENE-QM77-B10-01 | Intel® Core™ i7-3555LE | Intel® QM77 | FAN         | DVI + LVDS<br>DVI + HDMI<br>LVDS + HDMI<br>LVDS + LVDS | 1st 18/24-bit,<br>2CH<br>2nd 18/24-bit,<br>2CH | SATA x 2,<br>CFast™ x 1 | GbE x 2 | USB3.0 x 2<br>USB2.0 x 6 | 3      | 1              | Mini Card x 1  | +12V, AT/ATX | 0°C ~ 60°C |
| GENE-QM77-B10-06 | Intel® Celeron® 847E   | Intel® HM76 | FAN         | CRT + LVDS<br>CRT + HDMI<br>LVDS+HDMI<br>LVDS+LVDS     | 1st 18/24-bit,<br>2CH<br>2nd 18/24-bit,<br>2CH | SATA x 2,<br>CFast™ x 1 | GbE x 2 | USB3.0 x 2<br>USB2.0 x 6 | 2      | 1              | Mini Card x 1  | +12V, AT/ATX | 0°C ~ 60°C |

## 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