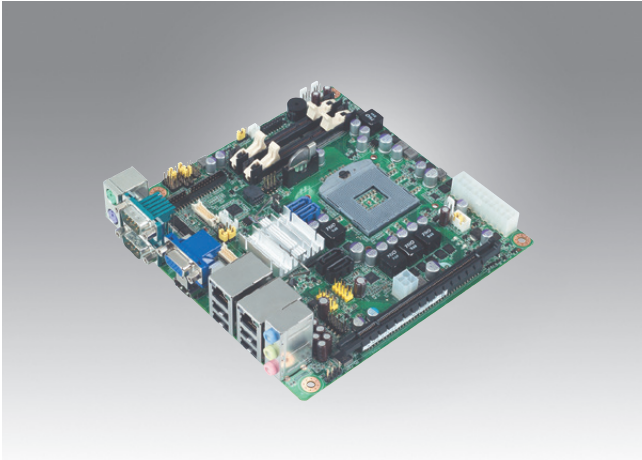


AIMB-272

**Intel® Core™ i7/i5/i3/Celeron uFC-PGA988
Mini-ITX with CRT/DVI/HDMI/LVDS, 6 COM,
Dual LAN, PCIe x16**



Features

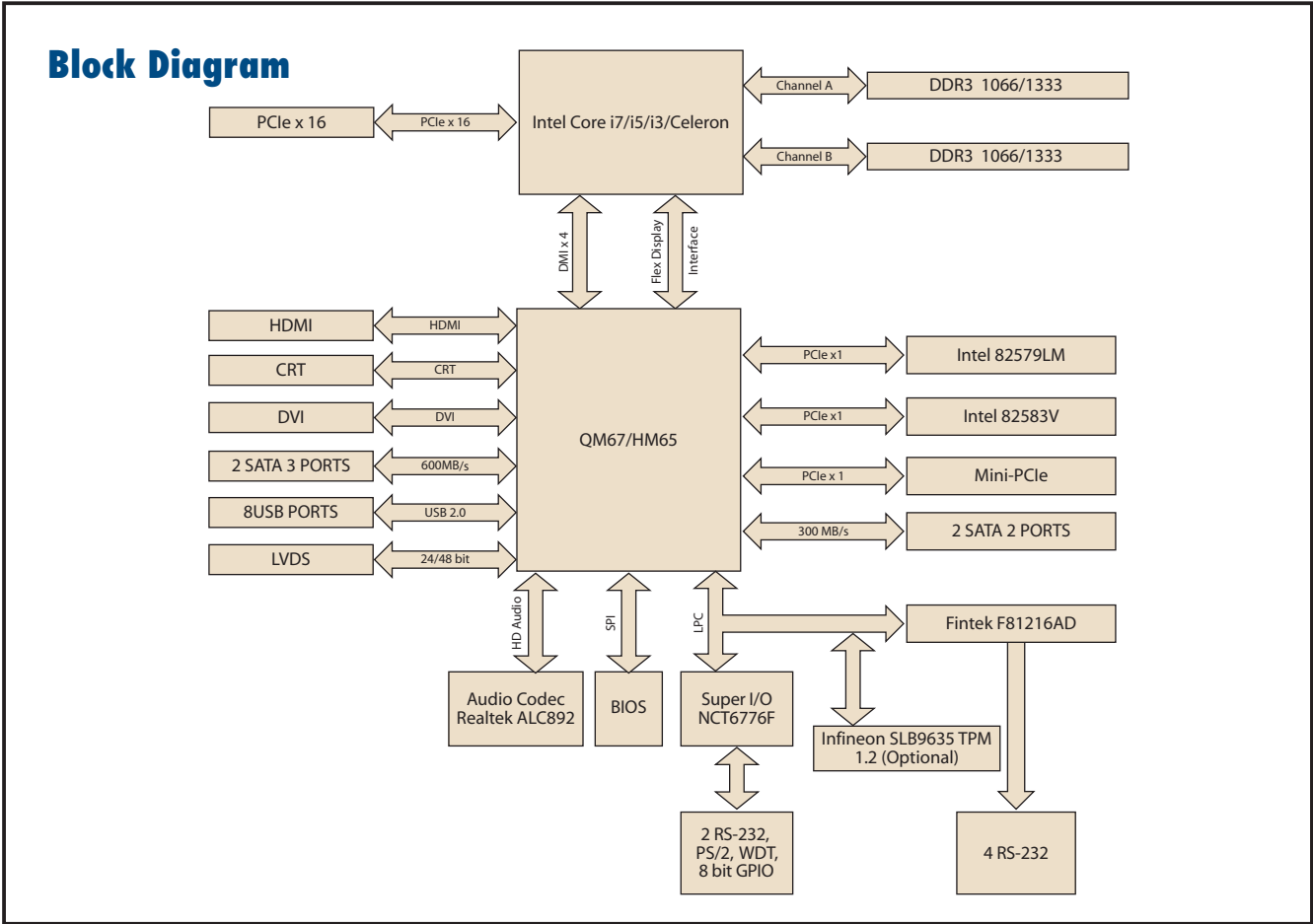
- Supports Intel® Core™ i7/i5/i3 mobile processor (PGA) with Intel QM67/HM65 chipset
- Supports dual display of DVI, HDMI, LVDS, CRT
- Supports PCIe x16 (Gen 2) and mini PCIe
- Supports Intel vPro, AMT 7.0, PECL 3.0, Software RAID 0,1,5,10, TPM 1.2 (optional)
- Supports embedded software APIs and Utilities

Software APIs:     

Utilities:   

Specifications

| | | | | | | |
|--------------------------|------------------------|--|---------------|---------------|--------------|--------|
| Processor System | CPU | Intel Core i7-2710QE | Core i5-2510E | Core i3-2330E | Celeron B810 | |
| | Core Number | 4 | 2 | 2 | 2 | |
| | Max Speed | 2.1 GHz | 2.5 GHz | 2.2 GHz | 1.6 GHz | |
| | L3 Cache | 6 MB | 3 MB | 3 MB | 2 MB | |
| | Chipset | QM67/HM65 | | | | |
| Expansion Slot | BIOS | AMI EFI 64 Mbit SPI | | | | |
| | PCI | - | | | | |
| | Mini-PCIe | 1 | | | | |
| Memory | PCIe x16 (Gen2) | 8 GB/s per direction, 1 slot | | | | |
| | Technology | Dual Channel DDR3 1066/1333 MHz SDRAM | | | | |
| | Max. Capacity | 8 GB | | | | |
| Graphics | Socket | 2x 204 PIN DDR3 SODIMM (Non-ECC) | | | | |
| | Controller | Integrated Gfx Gen5.75, supports DirectX 10 and OpenGL 2.1 | | | | |
| | VRAM | Shared system memory, 2 GB and above, total system memory shared 1 GB maximum video memory | | | | |
| | CRT | Yes, supports max. resolution 2048 x 1536 | | | | |
| | LVDS | Single channel 24-bit/dual channel 48-bit LVDS | | | | |
| | HDMI | Supports HDMI 1.4, 1650 Mbps/channel with 165 MHz | | | | |
| | DVI | Yes, supports max resolution 1920 x 1200 | | | | |
| Ethernet | Dual Display | CRT+LVDS, CRT+DVI, DVI+HDMI, LVDS+HDMI, CRT+HDMI, DVI+LVDS | | | | |
| | Interface | 10/100/1000 Mbps | | | | |
| | Controller | GbE LAN1: Intel 82579LM, LAN2: Intel 82583V | | | | |
| SATA | Connector | RJ-45 x 2 | | | | |
| | Max Data Transfer Rate | 600 MB/s (SATA 3.0)/ 300 MB/s (SATA 2.0) | | | | |
| Rear I/O | Channel | 2/2 | | | | |
| | VGA | 1 | | | | |
| | HDMI | 1 | | | | |
| | Ethernet | 2 | | | | |
| | USB | 4 (USB 2.0 compliant) | | | | |
| | Audio | 3 (Mic-in, Line-out, Line-in) | | | | |
| | Serial | 2 (RS-232) | | | | |
| | PS/2 | 2 (1 x keyboard and 1 x mouse) | | | | |
| Internal Connector | USB | 4 (USB 2.0 compliant) | | | | |
| | LVDS/inverter | 1 | | | | |
| | DVI | 1 | | | | |
| | Serial | 4 (RS-232) | | | | |
| | IDE | - | | | | |
| | SATA | 2 (SATA 3.0), 2 (SATA 2.0) | | | | |
| | Mini-PCIe | 1 | | | | |
| | Cfast | 1 | | | | |
| | Parallel | - | | | | |
| | IrDA | - | | | | |
| Watchdog Timer | GPIO | 8-bit | | | | |
| | Output | System reset | | | | |
| Power Requirements | Interval | Programmable 1 ~ 255 sec/min | | | | |
| | Power On | Intel Core i7-2710QE 2.1 GHz, 8 GB DDR3 1333 MHz SDRAM | | | | |
| | | 5 V | 3.3 V | 12 V | 5 Vsb | -12 V |
| Environment | | 1.514 A | 1.063 A | 3.9 A | 0.78 A | 0.08 A |
| | Operating | 0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution | | Non-Operating | | |
| Physical Characteristics | Temperature | -20 ~ 70° C (-4 ~ 158° F) | | | | |
| | Dimensions | 170 mm x 170 mm (6.69" x 6.69") | | | | |



Ordering Information

| Part Number | Chipset | CRT | DVI | LVDS | HDMI | GbE LAN | COM |
|------------------|---------|-----|-----|------|------|---------|-----|
| AIMB-272G2-00A1E | QM67 | Yes | Yes | Yes | Yes | 2 | 6 |
| AIMB-272VG-00A1E | HM65 | Yes | Yes | No | Yes | 1 | 6 |

Optional Accessories

| Part Number | Description |
|-------------|------------------------------------|
| 1700003195 | USB cable with two ports, 17.5 cm |
| 1700002204 | USB cable with two ports, 27 cm |
| 1700008461 | USB cable with four ports, 30.5 cm |
| 1700008822 | DVI cable |

Packing List

| Part Number | Description | Quantity |
|----------------|-------------------------------------|----------|
| 1700003194 | SATA HDD cable | 2 |
| 1703150102 | SATA power cable | 2 |
| 1960051292N001 | CPU cooler | 1 |
| 1701400181 | 1-to-4 serial ports cable kit, 18cm | 1 |
| 1960019192T100 | I/O port bracket | 1 |
| 2002027210 | Startup manual | 1 |
| 20660272000 | Driver CD | 1 |

Embedded OS/API

| OS/API | Part Number | Description |
|--------------|-------------|--|
| Win XPE | 2070010799 | XPE WES2009 AIMB-272 V4.0 ENG with Acronis |
| | 2070011030 | IMG WES09 AIMB-272 V4.0 ENG RUS ATIP |
| Software API | TBD | SUSI V3.0 SW API for AIMB-272 XP |

I/O View



AIMB-272G2-00A1E
AIMB-272VG-00A1E