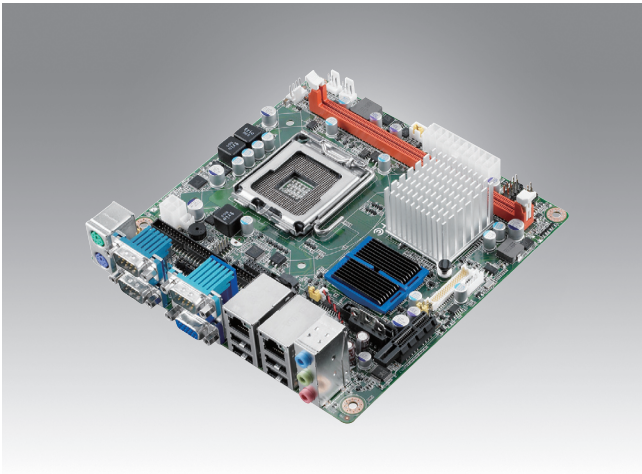






AIMB-267 KIOSK



Intel® Core™2 Quad LGA 775
mini-ITX with CRT/LVDS,
8 COM, Dual LAN



Features

- Intel® G41 chipsets supports 1333/1066/800 MHz FSB
- Single channel DDR3 1066/800 MHz SDRAM up to 4 GB
- Supports CRT and single/dual channel 24/48 bit LVDS panel and dual channel 6 W amplifier
- Supports 8 serial ports, 8 USB, 8-bit GPIO, dual LAN
- Support PCIe1, CF card

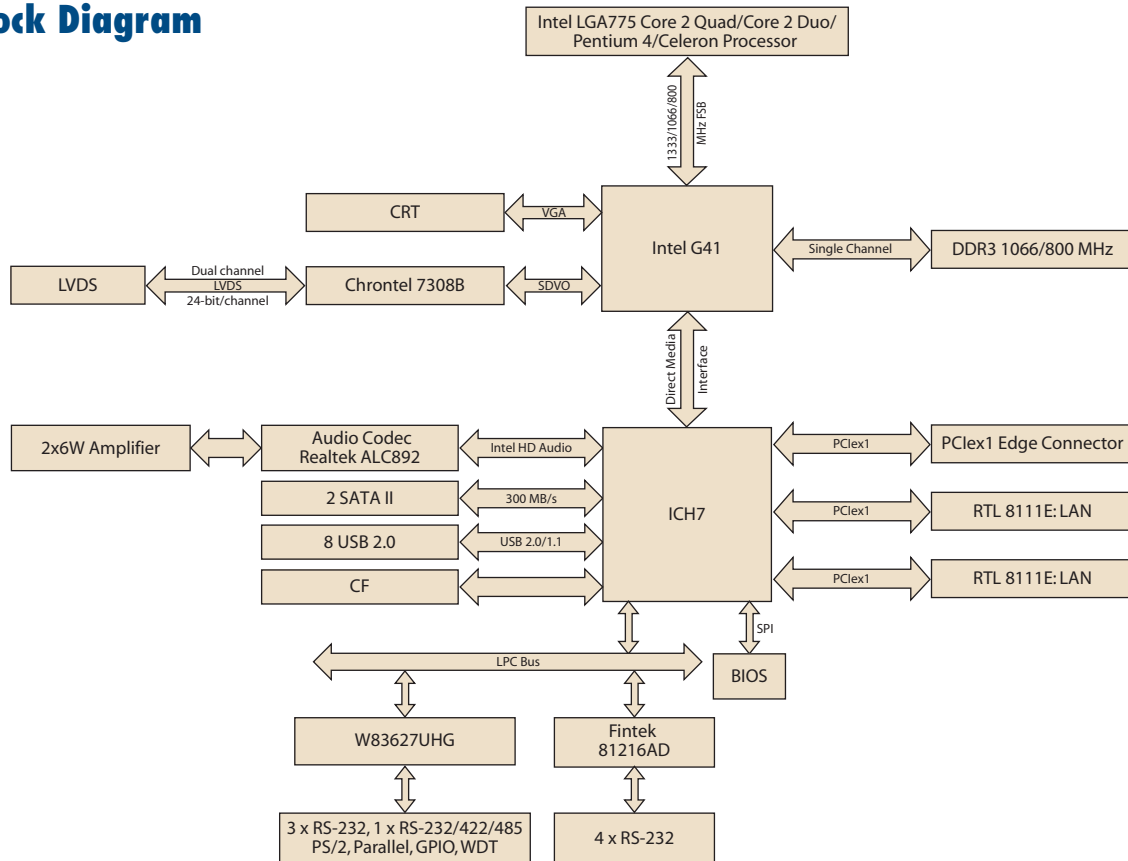
Software APIs:  SMBus  H/W Monitor  Watchdog  GPIO

Utilities:  BIOS flash  Monitoring

Specifications

| | | | | | |
|--------------------------|-------------------------|---|------------------|----------------------------|----------------|
| Processor System | CPU (45nm/65nm) | Intel Core 2 Quad | Intel Core 2 Duo | Intel Pentium | Intel Celeron |
| | Max. Speed | Q9650 3.0GHz | E8400 3.0 GHz | E2160 1.80 GHz | E1500 2.20 GHz |
| | L2 Cache | 12M | 6M | 1 M | 512 KB |
| | Chipset | Intel G41+ICH7 | | | |
| | BIOS | AMI 16Mbit, SPI | | | |
| | Front Side Bus | 1333/1066/800 MHz | | | |
| Expansion Slot | PCIe x16 | - | | | |
| | PCIe x1 | 250 MB per direction, 1 | | | |
| | PCI | - | | | |
| Memory | Technology | Single Channel DDR3 1066/800 MHz | | | |
| | Max. Capacity | 4 GB | | | |
| | Socket | 1 x 240-pin DIMM (Non-ECC) | | | |
| Graphics | Embedded | Intel GMA X4500 sharing 352M system memory | | | |
| | LVDS | Supports single channel 24-bit/dual channel 48-bit LVDS, via Chronitel 7308B SDVO transmitter | | | |
| | CRT | Supports 1 CRT | | | |
| | Dual Display | CRT + LVDS | | | |
| Ethernet | Interface | 10/100/1000 Mbps | | | |
| | Controller | GbE LAN Realtek 8111E | | | |
| | Connector | RJ-45 x 2 | | | |
| SATA II | Max. Data Transfer Rate | 300 MB/s | | | |
| | Channel | 2 | | | |
| EIDE | Mode | - | | | |
| | Channel | - | | | |
| I/O Interface | CRT | 1 | | | |
| | USB | 8 | | | |
| | Audio | 3 (Mic-in, Line-in, Line-out) | | | |
| | Serial | 8 (7 of RS-232, COM 3 supports RS-232/422/485, supports RS-485 auto flow control) | | | |
| | Parallel | 1 (SPP/EPP/ECP) | | | |
| | FDD | - | | | |
| | PS/2 | 2 (1 x keyboard and 1 x mouse) | | | |
| | GPIO | 8-bit GPIO | | | |
| Watchdog Timer | Output | System reset | | | |
| | Interval | Programmable 1 ~ 255 sec/min | | | |
| Power Requirements | Power On | Intel Core 2 Quad Q9400 2.66GHz FSB 1333 MHz, 2GB DDR3 1066 SDRAM | | | |
| | | 3.3 V | 5 V | 12 V | 5 Vsb -12 V |
| | | 0.35 A | 1.91 A | 1.29 A | 0.18 A 0.06 A |
| Environment | | Operating | | Non-Operating | |
| | Temperature | 0 ~ 60° C (32 ~ 140° F), depends on CPU speed and cooler solution | | -40 ~ 85° C (-40 ~ 185° F) | |
| Physical Characteristics | Dimensions (W x D) | 170 x 170 mm (6.69" x 6.69") | | | |

Block Diagram



Ordering Information

| Part Number | Chipset | Display | COM | GbE LAN |
|------------------|---------|---------------|-----|---------|
| AIMB-267G2-KSA1E | G41 | 1 CRT, 1 LVDS | 8 | 2 |
| AIMB-267VG-KSA1E | G41 | 1 CRT | 8 | 1 |

*We strongly suggest using only Advantech's certified LGA775 CPU cooler's to ensure board reliability under harsh conditions.

I/O View



AIMB-267G2-KSA1E
AIMB-267VG-KSA1E

Packing List

| Part Number | Description | Quantity |
|----------------|-------------------------------------|----------|
| 1700003194 | Serial ATA HDD data cable | x2 |
| 1700000447 | 1-to-4 serial ports cable kit 45 cm | x1 |
| 1960022933T100 | I/O port bracket | x1 |
| 2006026700 | Startup Manual | x1 |
| 2066026700 | Utility CD | x1 |
| 1700100250 | COM port cable kit | x1 |

Optional Accessories

| Part Number | Description |
|-------------|--------------------------------------|
| 1700260250 | Printer port cable, 25 cm |
| 1700002314 | USB cable with four ports, 30.5 cm |
| 1700002204 | USB cable with dual ports, 27 cm |
| 1700003195 | USB cable with dual ports, 17.5 cm |
| 1750000334 | LGA 775 CPU cooler (115W) |
| 1701400181 | 1-to-4 serial ports cable kit, 18 cm |
| 1700000447 | 1-to-4 serial ports cable kit, 45 cm |

Embedded OS/API

| OS/API | Part No. | Description |
|--------------|------------|------------------------------------|
| Win XPE | 2070010995 | Image WES09 AIMB-267 V4.0 ENG ATIP |
| Software API | TBD | SUSI V3.0 SW API for AIMB-267 XP |