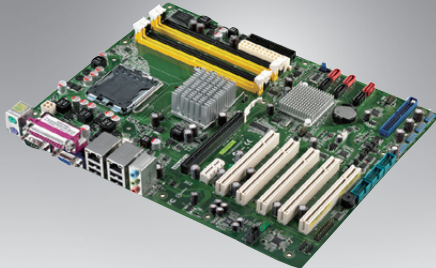


SIMB-A01

Intel® LGA775 Core™2 Quad / Core™2 Duo ATX with VGA, 4 COM and Dual LAN



Features

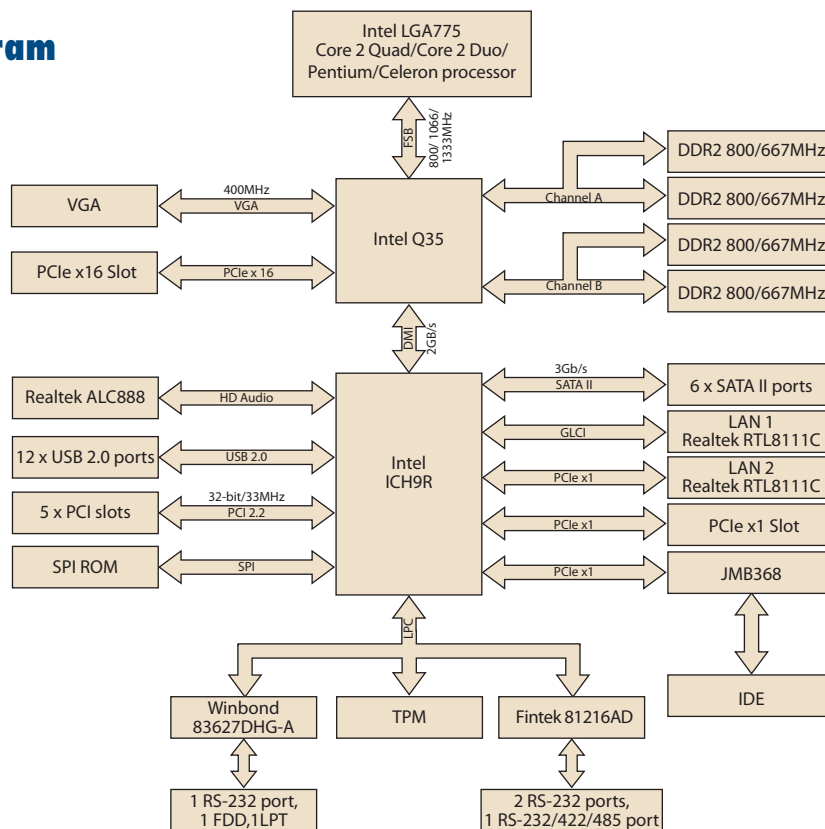
- Intel LGA775 socket supports Intel® Core 2 Quad/Core 2 Duo/Pentium/ Celeron processor
- Intel Q35 + ICH9R chipset
- Four 240-pin DDR2 800 MHz up to 8 GB
- Intel Graphics Media Accelerator 3100
- Realtek ALC888, 5.1 + 2 channel HD streaming audio
- Dual Realtek RTL8111C Gigabit LAN
- 1 PCIe x16, 1 PCIe x1, 5 PCI
- 4 COM (5/12 V), 12 USB, 6 SATA II, 1 IDE
- TPM 1.2, 16-bit GPIO
- Supports RAID 0, 1, 5, 10



Specifications

| | | | | | |
|--------------------------|------------------------|---|-----------------|---------------------------|---------------|
| Processor System | CPU | Intel Core2 Quad | Intel Core2 Duo | Intel Pentium Dual-Core | Intel Celeron |
| | Max. Speed | Q9400 2.66 GHz | E8400 3.0 GHz | E6500 2.6 GHz | 440 2.0 GHz |
| | L2 Cache | 6 MB | 6 MB | 2 MB | 512 KB |
| | Chipset | Intel Q35 + ICH9R | | | |
| | BIOS | AMI 32 Mbit , SPI | | | |
| | Front Side Bus | 800/1066/1333 MHz | | | |
| Expansion Slots | PCI | 32-bit/33 MHz, 5 slot | | | |
| | PCIe x16 | 4.0 GB/s per direction, 1 slot | | | |
| | PCIe x1 | 250 MB/s per direction, 1 slot | | | |
| | Full-size Mini-PCIe | - | | | |
| Memory | Technology | Dual channel DDR2 667/800 MHz | | | |
| | Max. Capacity | 8 GB | | | |
| | Socket | 4 x 240-pin DIMM | | | |
| Graphics | Controller | Intel Graphics Media Accelerator 3100 integrated | | | |
| | VRAM | Intel DVMT 4.0 supports up to 284 MB Video Memory | | | |
| | VGA | 1, on board GMA 3100 | | | |
| | LVDS | Through ADD2 LVDS Card | | | |
| | DVI | Through ADD2 DVI Card | | | |
| | HDMI | Through ADD2 HDMI Card | | | |
| Ethernet | Dual Display | - | | | |
| | Interface | 10/100/1000 Mbps | | | |
| | Controller | GbE-LAN1: Realtek RTL8111C , GbE-LAN2: Realtek RTL8111C | | | |
| SATA | Connector | RJ-45 x 2 | | | |
| | Max Data Transfer Rate | 300 MB/s | | | |
| EIDE | Channel | 6 | | | |
| | Mode | ATA 100/66/33 | | | |
| Rear I/O | Channel | 1 (max. 2 devices) | | | |
| | VGA | 1 | | | |
| | DVI | - | | | |
| | Ethernet | 2 | | | |
| | USB | 4 (USB 2.0) | | | |
| | Audio | 3 (Line-out, Line-in, Mic-in) | | | |
| | Parallel | 1 (LPT) | | | |
| | Serial | 1 (RS-232) | | | |
| Internal Connectors | PS/2 | 2 (1 x keyboard and 1 x mouse) | | | |
| | USB | 8 (USB 2.0) | | | |
| | Serial | 3 (1 x RS-232/422/485 and 2 x RS-232) | | | |
| | IDE | 1 | | | |
| | SATA | 6 (SATA II) | | | |
| | Parallel | - | | | |
| Watchdog Timer | GPIO | 16-bit (8-bit DI and 8-bit DO) | | | |
| | Output | System reset | | | |
| Security | Interval | Programmable 1~ 255 sec/min | | | |
| | TPM | Onboard TPM 1.2 by Infineon SLB9635 | | | |
| Power Requirements | Power On | +12 V | +5 V | +3.3 V | 5 Vsb |
| | | 3.52 A | 3.58 A | 2.86 A | 0.74 A |
| Environment | Temperature | Operating | | Non-Operating | |
| | | 0 ~ 50° C (32 ~ 122° F) | | -20 ~ 70° C (-4 ~ 158° F) | |
| Physical Characteristics | Dimensions | 305 x 244 mm (12" x 9.6") | | | |

Block Diagram

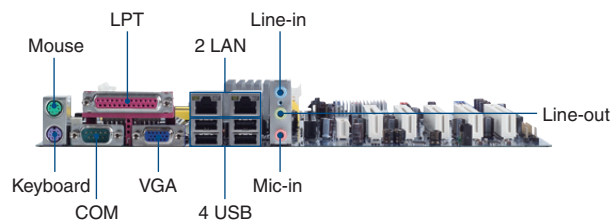


Ordering Information

| P/N | CPU | Chipset | VGA | GbE | USB | COM | SATA |
|-------------------|--|-------------------|-----|-----|-------------------------|-------------------------------|-----------|
| SIMB-A01-6G200A1E | Intel Core 2 Quad / Core 2 Duo / Pentium / Celeron | Intel Q35 + ICH9R | 1 | 2 | 12 (4 Rear, 8 Internal) | 4 RS-232 (1 Rear, 3 Internal) | 6 SATA II |

Note: Minimum order quantity is 200 pieces

I/O View



Packing List

| Description | Quantity |
|-----------------------------|------------------|
| SATA cable kit (SATA/Power) | 1 |
| I/O shield | 1 |
| Startup manual | 1 (per 10 units) |
| Driver CD | 1 (per 10 units) |

Optional Accessories

| Part Number | Description |
|---------------|-----------------------------------|
| 196002203T000 | LGA775 CPU cooler for 2U chassis |
| 1700002204 | USB cable with two ports, 27 cm |
| 1700003195 | USB cable with two ports, 17.5 cm |
| 1700008461 | USB cable with two ports, 30.5 cm |