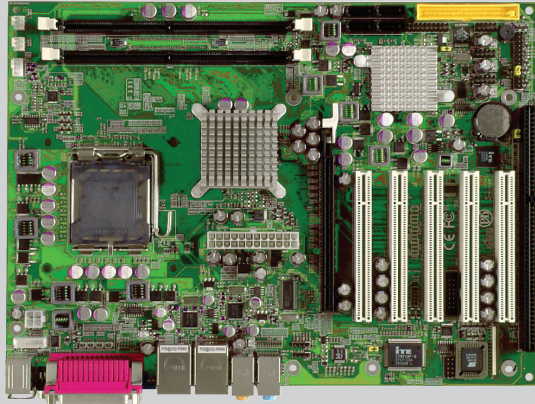


Industrial Mother Board

IM-i965Q

Intel® Core™ 2 Duo Desktop Processor based ATX Industrial Motherboard with 1 ISA, 5 PCI, VGA, Dual Gigabit Ethernet, SATA, Audio, COM & USB



Core Specifications

- Intel® Core™ 2 Quad, Core2 Duo Desktop® Pentium Dual Core, Pentium D Processor in an LGA775 Socket
- Intel® Q965 Chipset, 1066/800/533 MHz FSB
- Dual-channel DDR2 Memory Architecture
- Integrated Intel® GMA 3000 Graphics
- Dual Gigabit Ethernet
- Four SATA 300 MB/s Ports, Raid 0,1,5
- Two COM Ports, 10 USB 2.0 ports
- One PCI-E x16, One ISA, Five PCI

Specifications

| System | |
|---------------------|--|
| CPU | Intel® Core™ 2 Quad, Core2 Duo Desktop Pentium Dual Core / Pentium D in the LGA775 |
| FSB | 1066/800/533 MHz |
| BIOS | AMI BIOS with 8 Mb Flash EEPROM |
| System Chipset | Intel® Q965 + ICH 8R |
| I/O Chip | ITE IT8712F I/O Controller |
| System Memory | 2 x 240-pin DDR2 DIMM sockets Dual-channel DDR2 800/667 SDRAM Max. up to 4 GB memory |
| Storage | 1 x Parallel ATA IDE ports with UDMA 33, ATA-66/100 4 x Series ATA 300 ports |
| RAID | ICH 8 R Intel Raid 0,1,5 |
| Watchdog Timer | Reset with internal timer for 1 min/s ~ 255min/s |
| H/W Status Monitor | Monitoring system temperature, voltage, and cooling fan status. Auto throttling control when CPU overheats |
| GPIO | Onboard programmable 8-bit Digital I/O interface |
| Expansion | 1 x PCI Express x16, 1 x ISA 5 x PCI |
| MIO | |
| Internal I/O | 1 x IrDA, 1 x RS-232/422/485, 6 x USB 2.0 |
| Back Panel I/O | 1 x VGA, 1 x Audio, 2 x RJ-45, 1 x RS-232, 4 x USB 2.0, 1 x KB, 1 x Mouse |
| Display | |
| Graphics Controller | Intel® integrated GMA 3000 Graphics |
| Display Memory | Intel® DVMT 4.0 supports up to 256 MB video memory |
| Resolution | Analog display : up to 2048 x 1536 @ 75Hz (QXGA) |
| Display Interface | DSUB-15 connector for VGA output |
| DVI | None |

| Audio | |
|----------------------------|---|
| HDAC | Realtek® ALC888 7.1 + HD audio codec |
| Audio Interface | Mic in, Line in, CD Audio in, Line out, Rear out and Center/Subwoofer out |
| Ethernet | |
| Controller | Dual Realtek 8111B Gigabit LAN Ethernet controllers |
| Ethernet Interface | IEEE 802.3 10BASE-T/100BASE-TX/1000BASE-T |
| Mechanical & Environmental | |
| Power Requirement | +3.3 V @ 4.73 A, +5 V @ 0.96 A, +12 V @ 9.11 A, -12 V @ 0.01 A, 5 VSB @ 0.07A |
| Power Type | 24-pin ATX power connector, 1 x 4-pin ATX 12V power connector |
| FAN connector | 1 x CPU, 2 x system with DC 12V |
| Operating Temperature | 0~60°C |
| Operating Humidity | 10%~90% relative humidity, noncondensing |
| Size (L x W) | 305 mm x 220 mm |
| Weight | 1.44 lb (650 g) |

Ordering Information

IM-i965Q

