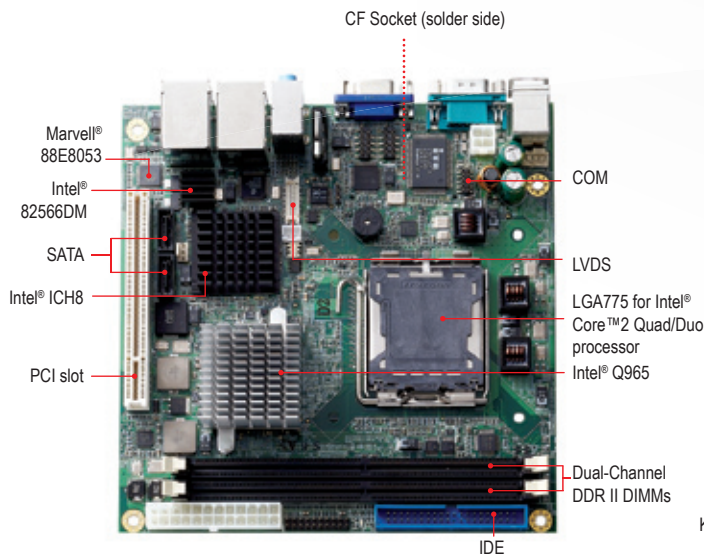


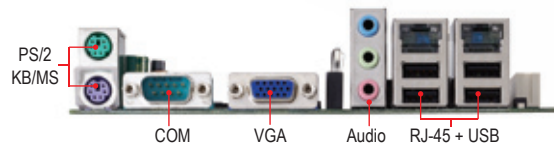
# MI-960

Mini-ITX Embedded Motherboard with Intel® Q965 Chipset, VGA, SATA, IDE, Dual-GbE, LVDS, Audio, CF



## Features

- Mini-ITX Industrial Motherboard
- Supports Intel® Core™2 Duo, Pentium® D, and Pentium® 4 processors in LGA775 package
- Integrated graphics controller, supports dual-independent display
- Support dual 10/100/1000 Mbps Ethernet
- High Definition Audio codec
- Onboard CompactFlash® socket



## Specifications

### Processor System

CPU	Intel® Core™2 Duo E6400, 2.13GHz, 1066MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775 Intel® Core™2 Duo E4300, 1.8GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775 Intel® Pentium® Dual Core E2160, 1.8GHz, 800MHz FSB, 1MB L2 Cache, 65nm, 65W TDP, LGA775 Intel® Celeron® 440, 2.0GHz, 800MHz FSB, 512KB L2 Cache, 65nm, 35W TDP, LGA775 Intel® Pentium® 4 651, 3.4GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 95W TDP, LGA775 Intel® Pentium® 4 551, 3.4GHz, 800MHz FSB, 1MB L2 Cache, 90nm, 84W TDP, LGA775 Intel® Pentium® 4 531, 3.0GHz, 800MHz FSB, 1MB L2 Cache, 90nm, 84W TDP, LGA775 Intel® Celeron® D 352, 3.2GHz, 533MHz FSB, 512KB L2 Cache, 65nm, 95W TDP, LGA775 Intel® Celeron® D 341, 2.93GHz, 533MHz FSB, 256KB L2 Cache, 90nm, 84W TDP, LGA775
Chipset	Intel® Q965 + ICH8 Express® Chipset
Memory	2 x 240-pin DIMM sockets Supports up to DDR2-800 SDRAM, up to 4 GB
BIOS	AMI BIOS®/ Flash ROM 16 Mb
Watchdog Timer	1-255 sec./min. software programmable
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operating Systems	Windows® XP/Vista, Fedora™ 8

### I/O Interfaces

IDE (PATA)	1x UltraATA 66/100/133
CompactFlash®	1x CompactFlash® type II socket
Serial ATA	2x Serial ATA ports with 300 MB/s data transfer rate
Expansion Slot	1x PCI™ slot
USB	8x USB 2.0 ports, 4x external and 4x internal ports
KB/MS	2x PS/2 for keyboard/mouse
Serial Port	2x RS-232 (1x external, 1x internal)

### Audio

Audio Codec	Realtek ALC262 HD codec
Interface	Support HDA Mic-in/Line-in/Line-out

### Display

Graphics	Integrated in Intel® Q965 GMCH
VRAM	Shared system memory up to 256 MB
CRT	External Dsub-15 connector, resolution up to 2048 x 1536 @ 75 Hz
LVDS	Single channel 24-bit LVDS

### Ethernet

Controller	Intel® 82566DM, Marvell 88E8056
Interface	PCIe® Bus x1
Wake On LAN	Yes

### Mechanical and Environmental

Form Factor	Mini-ITX
Dimensions	170 mm x 170 mm (L x W)
Operating Temp.	0°C to 55°C
Storage Temp.	-20°C to 80°C
Certifications	CE, FCC Class A
Relative Humidity	10% to 90%, non-condensed

## Ordering Information

Model Number	Description/Configuration
MI-960	Mini-ITX Core™2 Duo Industrial Motherboard, Q965/ICH8, Dual-GbE, SATA, IDE, LCD, Audio, & CF

## Optional Accessories

Model Number	Description/Configuration
1U CPU Cooler + backplate	LGA775 1U Thermal Module + backplate
3U CPU Cooler	LGA775 3U Thermal Module
Backplate	Backplate for 3U CPU cooler

## Packing List

MI-960	2x SATA data cable
MI-960 I/O Shield	1x Dual-plug SATA power cable
1x UltraATA 100 IDE cable	Driver DVD
1x USB 2.0 cable bracket	User's manual
1x COM port cable	