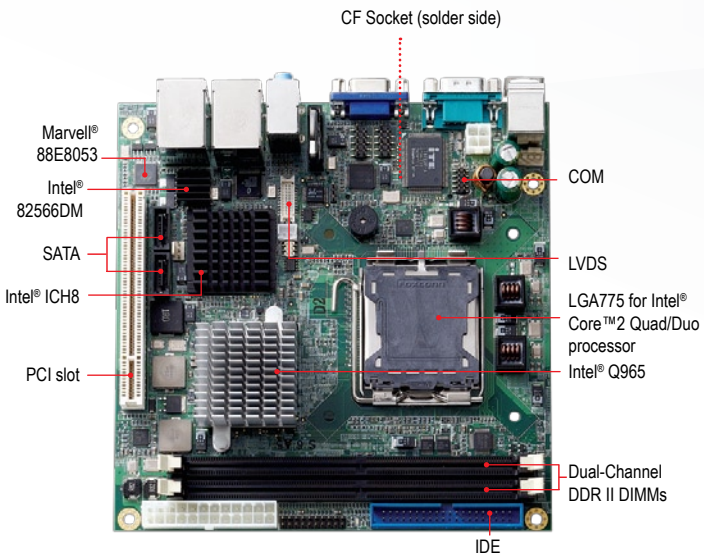
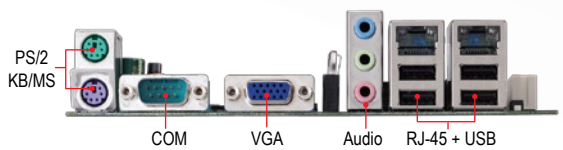
MI-960

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 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 E7400, 2.8 GHz, 1066MHz FSB, 3MB L2 Cache, 45nm, 65W TDP, LGA775
	Intel® Pentium® E6500, 2.93 GHz, 1066MHz FSB, 2MB L2 Cache, 45nm, 65W TDP, LGA775 (2C)
	Intel® Core™2 Duo E6400, 2.13 GHz, 1066MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Pentium® E5300, 2.6 GHz, 800MHz FSB, 2MB L2 Cache, 45nm, 65W TDP, LGA775 (2C)
	Intel® Core™2 Duo E4300, 1.8 GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Celeron® E3400, 2.6 GHz, 800MHz FSB, 1MB L2 Cache, 45nm, 65W TDP, LGA775 (2C)
	Intel® Pentium® E2160, 1.8 GHz, 800MHz FSB, 1MB L2 Cache, 65nm, 65W TDP, LGA775 (2C)
	Intel® Celeron® E1500, 2.2 GHz, 800MHz FSB, 512K L2 Cache, 65nm, 65W TDP, LGA775 (2C)
	Intel® Celeron® 440, 2.0 GHz, 800MHz FSB, 512KB L2 Cache, 65nm, 35W TDP, LGA775 (1C)
	Intel® Pentium® 4 651, 3.4 GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 95W TDP, LGA775 (1C)
	Intel® Celeron® D 352, 3.2 GHz, 533MHz FSB, 512KB L2 Cache, 65nm, 95W TDP, LGA775 (1C)
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 SATA 3 Gb/s ports
Expansion Slots	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 with 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-condensing

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
LGA775 1U CPU Cooler	LGA775 1U Thermal Module
LGA775 3U CPU Cooler	LGA775 3U Thermal Module
Backplate	Backplate for 3U CPU cooler

Packing List

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

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