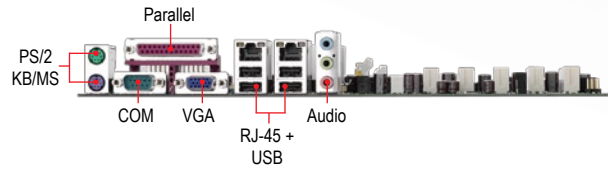


Features

- Intel® Core™2 Quad/Duo Processor in LGA775 socket
- Intel® Q35 + ICH9DO Chipset supports up to 1333MHz FSB
- Dual-Channel DDR2 667/800MHz
- Integrated Graphics or PCI Express x16
- 1x PCIe x1 slot and 5x PCI slots



Specifications

Processor & System

CPU	Intel® Core™2 Quad Q9400, 2.66GHz, 1333MHz FSB, 6MB L2 Cache, 45nm, 95W TDP, LGA775 Intel® Core™2 Duo E8400, 3.0GHz, 1333MHz FSB, 6MB L2 Cache, 45nm, 65W TDP, LGA775 Intel® Core™2 Duo E7400, 2.8GHz, 1066MHz FSB, 3MB L2 Cache, 45nm, 65W TDP, LGA775 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 E5300, 2.6GHz, 800MHz FSB, 2MB L2 Cache, 45nm, 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® Q35 + ICH9DO
Chipset	Intel® Q35 + ICH9DO
Memory	4x 240-pin DIMM sockets Dual-Channel DDR2 667/800MHz, up to 8GB
TPM	Onboard header for TPM (optional)
BIOS	AMIBIOS® 32 Mb SPI BIOS
Watchdog Timer	1-255 sec./min. software programmable, can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operation Systems	Windows® XP, Vista, 7 32/64-bit

I/O Interfaces

IDE (PATA)	1x UltraATA-66/100/133
Serial ATA	6x Serial ATA II ports with 3.0 Gbps data transfer rate Intel® Matrix Storage Technology, supports RAID 0/1/5/10
Expansion Slot	1x PCIe® x16, 1x PCIe® x1, 5x PCI™ slots
USB	12x USB 2.0 ports (4x faceplate, 8x onboard pin headers)
KB/MS	2x Mini-DIN for PS/2 keyboard/mouse
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	3x RS-232 1x RS-232/422/485

Audio

Audio Codec	Realtek® ALC888
Interface	Line-in, Line-out, Mic-in

Display

Graphics	Intel® Graphics Media Accelerator 3100
VRAM	Shared with system memory up to 256MB
CRT	Up to 2048 x 1536 @ 75 Hz (QXGA)
External Graphics	PCI Express x16

Ethernet

Controller	Realtek® RTL8111C
Interface	PCIe x1 bus
Wake On LAN	Yes

Mechanical and Environmental

Form Factor	ATX
Dimensions	305 mm x 244 mm (L x W)
Operating Temp.	0°C to 60°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
M-322	ATX Intel® Core™2 Quad LGA775 Industrial Motherboard

Optional Accessories

Model Number	Description/Configuration
Copper-core Cooler	LGA775 copper-core cooler with backplate

Packing List

M-322	2x SATA power cables
M-322 I/O shield	Driver CD
1x 1-port COM cable with bracket	User's manual
1x 2-port COM cable with bracket	
2x SATA data cables	