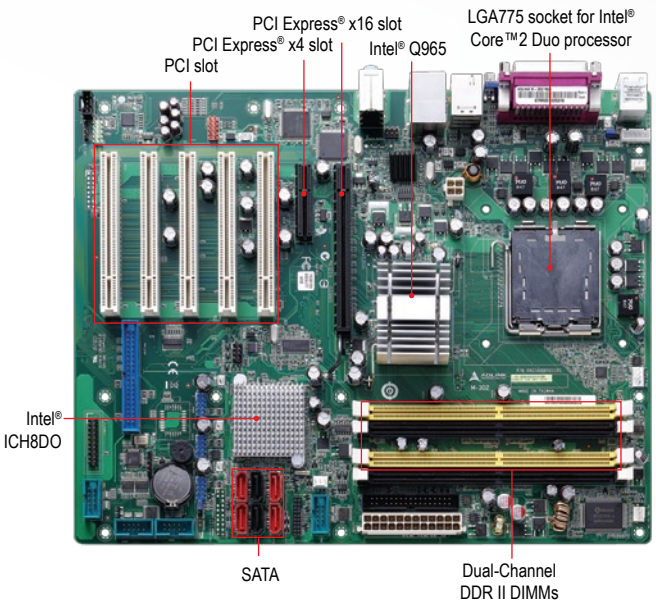
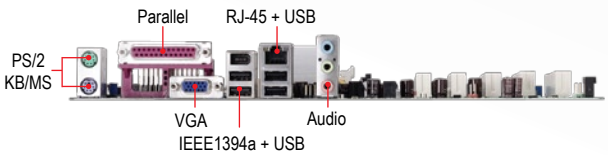
M-302

ATX LGA775 Intel® Core™2 Duo Industrial Motherboard



Features

- Intel® Core™2 Duo Processors, LGA775
- Intel® Q965 + ICH8DO Chipset supports up to 1066 MHz FSB
- Dual-Channel DDR2 533/667/800 MHz, up to 8 GB
- Integrated Graphics or PCI Express® x16
- 1x PCI Express® x4, and 5x PCI™ slots



Specifications

Processor & System

CPU	Intel® Core™2 Duo E7400, 2.8 GHz, 1066MHz FSB, 3MB L2 Cache, 45nm, 65W TDP, LGA775
	Intel® Core™2 Duo E6400, 2.13 GHz, 1066MHz FSB, 2MB L2 Cache, 65nm, 65W TDP, LGA775
	Intel® Core™2 Duo E4300, 1.8 GHz, 800MHz 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® Pentium® E2160, 1.8 GHz, 800MHz FSB, 1MB L2 Cache, 65nm, 65W TDP, LGA775 (2C)
	Intel® Pentium® 4 651, 3.4 GHz, 800MHz FSB, 2MB L2 Cache, 65nm, 95W TDP, LGA775 (1C)
	Intel® Celeron® 440, 2.0 GHz, 800MHz FSB, 512KB L2 Cache, 65nm, 35W TDP, LGA775 (1C)
	Intel® Celeron® D 352, 3.2 GHz, 533MHz FSB, 512KB L2 Cache, 65nm, 95W TDP, LGA775 (1C)
Chipset	Intel® Q965 + ICH8DO
Memory	4x 240-pin DIMM sockets
	Dual-Channel DDR2 533/667/800 MHz, up to 8 GB
TPM	Onboard header for TPM optional
BIOS	AWARD® BIOS 16Mb flash memory
Watchdog Timer	1-255 sec./min. software programmable, can generate system reset
Hardware Monitor	CPU/System temperature, fan speed and onboard DC voltages
Operating Systems	Windows® XP, Vista, 7 32/64-bit
	Fedora™ 8

I/O Interfaces

Serial ATA	6x SATA 3 Gb/s ports
	Intel® Matrix Storage Technology, supports RAID 0/1/5/10
Expansion Slots	1x PCIe® x16, 1x PCIe® x4, 5x PCI™ slots
USB	10x USB 2.0 ports (4x faceplate, 6x onboard pin headers)
KB/MS	2x Mini-DIN for PS/2 keyboard/mouse
Floppy	1x Floppy
Parallel Port	1x LPT
Serial Port	4x RS-232

Audio

Audio Codec	ADI® AD1988
Interface	Line-in, Line-out, Mic-in
	Onboard pin header for Line-out

Display

Graphics	Intel® Graphics Media Accelerator 3000
VRAM	Shared w/ system memory up to 256MB
CRT	Up to 2048 x 1536 @ 75 Hz (QXGA)
External Graphics	PCI Express® x16

Ethernet

Controller	Intel® 82566DM PCIe® network controller
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-condensing

Ordering Information

Model Number	Description/Configuration
M-302	ATX LGA775 Intel® Core™2 Duo Industrial Motherboard

Note: CPU, Memory module and Cooler kit are not included.

Optional Accessories

Model Number	Description/Configuration
LGA775 1U CPU Cooler	LGA775 1U Thermal Module
LGA775 3U CPU Cooler	LGA775 3U Thermal Module

Packing List

M-302	2x SATA power cables
M-302 I/O shield	Driver CD
2x 2-port COM cable with bracket	User's manual
2x SATA data cables	

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