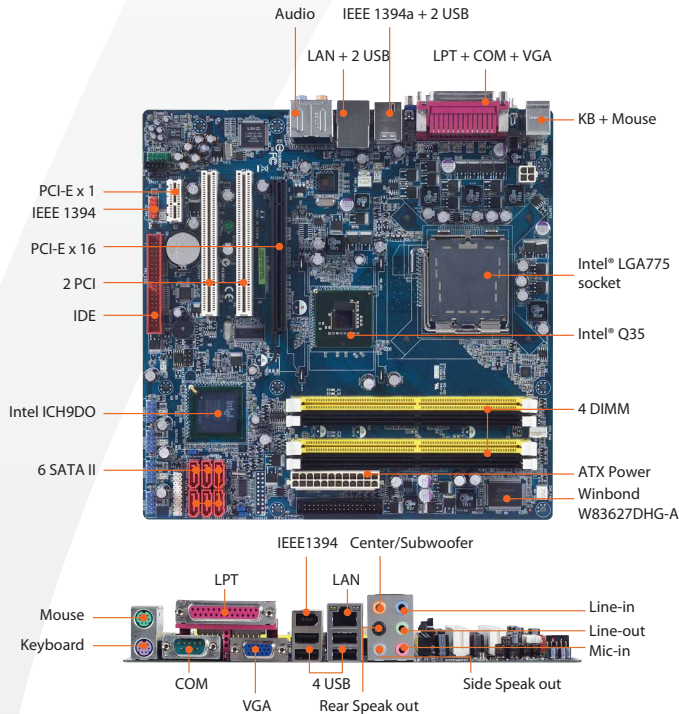


MX35Q

Intel® Q35 with Core™2 Quad Micro-ATX Motherboard



Features

- Socket 775 supports Intel® Core™2 Quad FSB 800/ 1066/ 1333MHz CPU
- Intel® Q35 + ICH9DO Chipset
- Four 240-pin DDR2 DIMM 667/ 800MHz, up to 8GB
- Intel Graphics Media Accelerator 3100
- Realtek ALC888, 5.1 + 2 Channel with 2 independent HD Streaming Audio
- Intel 82566DM Gigabit LAN Controller
- 1 PCI-E x16, 1 PCI-E x1, 2 PCI 2.3
- 1 COM, 12 USB 2.0, 6 SATA II, 1 IDE
- LSI FW3227 supports 2 IEEE 1394a Ports
- Onboard TPM 1.2

Intel GMA 3100

PCI-E x 16

PCI-E x 1

PCI

IEEE 1394a

TPM 1.2

GbE LAN

5.1 + 2 CH HD Audio

Specifications

System

CPU	Intel® LGA775 socket supports Core™2 Quad/ Core™2 Duo/ Celeron® with 45nm process technology
FSB	1333 / 1066 / 800 MHz
BIOS	AMI 32Mb SPI BIOS
System Chipset	Intel® Q35 + ICH9DO Chipset
I/O Chip	Winbond W83627DHG-A
System Memory	Four 240-pin DIMM sockets support up to 8GB dual channel DDR2 800/ 667 SDRAM
H/W Status Monitor	Monitoring temperature, voltage and cooling fan status. Auto throttling control when CPU overheats
Expansion	1 PCI-E x 16, 1 PCI-E x 1, 2 PCI (PCI Rev. 2.3 compliant)
Power State	S1, S3, S4, S5
TPM	Onboard TPM 1.2 by Infineon SLB9635
IEEE 1394	LSI FW3227 support 2 IEEE1394 ports
Wake up on LAN or Ring	LAN (PXE)
SmartFan Control	Supports 3 modes (Silent/ Optimal/ Performance)

I/O

MIO	1 IDE, 6 SATA II, 1 LPT, 1 FDD, 1 COM RS-232, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	12 USB 2.0

Display

Chipset	Intel Q35 integrated Graphics Media Accelerator 3100
Display Memory	Intel DVMT 4.0 supports up to 384MB video memory
Resolution	2048 x 1536 (@75Hz)
VGA	On board
LVDS	Through ADD2 LVDS Card
DVI	Through ADD2 DVI Card
HDMI	Through ADD2 HDMI Card
2nd VGA	Through ADD2 VGA Card

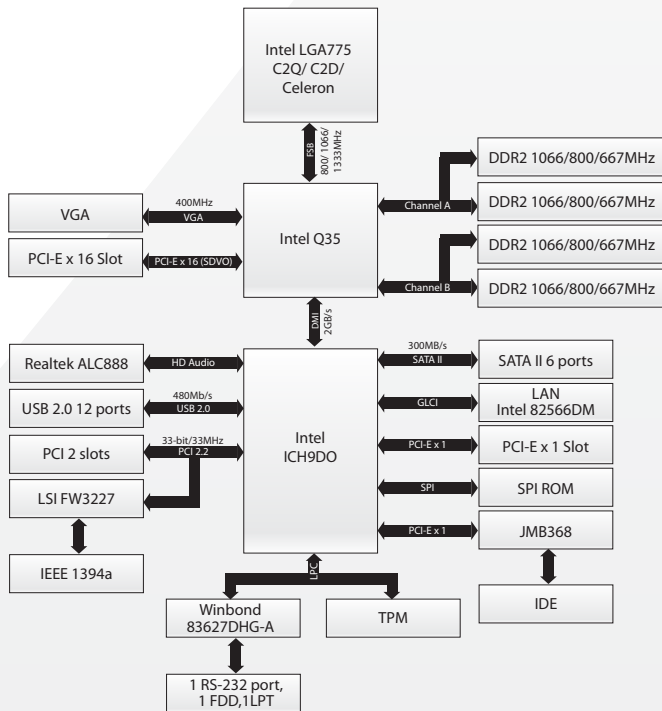
Audio

Audio Codec	Realtek ALC888, 5.1 + 2 CH HD Audio
Audio Interface	Line-in, Line-out, Mic-in

Ethernet

LAN	Intel 82566DM Gigabit LAN
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Block Diagram



Ordering Information

MX35Q
90M-Q35000-10000B2
MX35Q R10 MATX STD LGA775

Product Offering

until 2015

Packing List

SATA Data Cable	x 3
SATA Power Cable	x 3
FDD Cable	x 1
IDE Cable	x 1
I/O Shield	x 1
Driver CD	x 1
Startup Manual	x 1

Optional Accessory

14GS0300020V04	USB Cable w/ Bracket
14GS0300021V04	USB Cable w/o Bracket

Back Panel I/O Port

- 1 PS/2 Keyboard
- 1 PS/2 Mouse
- 1 VGA Port
- 1 LPT
- 1 COM RS-232 Port
- 1 IEEE 1394a
- 1 LAN RJ45 Port
- 4 USB Ports
- Audio I/O (6 jacks)

Internal I/O Connector

- 4 USB Connectors support 8 USB Ports
- 1 FDD Connector
- 1 IDE Connector
- 6 SATA Connectors
- 1 CPU Fan Connector
- 1 Chassis Fan Connector
- 1 Power Fan Connector
- 1 IEEE 1394a Connector
- 1 Front Panel Header
- 1 S/PDIF Out Header
- 1 Chassis Intrusion Header
- 1 CD Audio-in Header

Mechanical & Environmental

Power Requirement	+12V	+5V	+3.3V	5VSB
	0.3A	3.6A	2.1A	0.9A

Power Type ATX

Power Connector 1 24-pin ATX Power Connector
1 4-pin ATX 12V Power Connector

Operating Temperature 0 to 50°C (32 to 122°F)

Operating Humidity 0% to 90% relative humidity, non-condensing

Size (L x W) 9.6" x 9.6" (243.84 mm x 243.84 mm)

Weight 1.35 lbs (0.6 Kg)