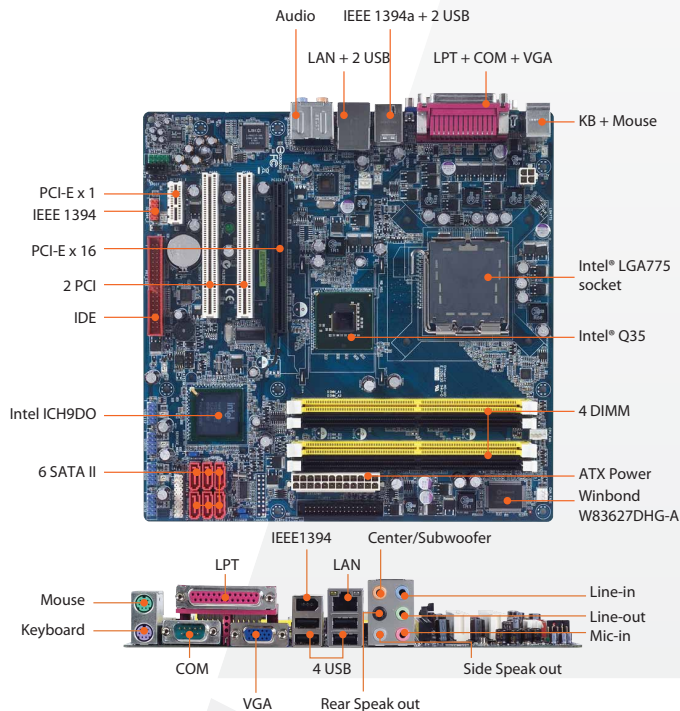


LM5550-Q35

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



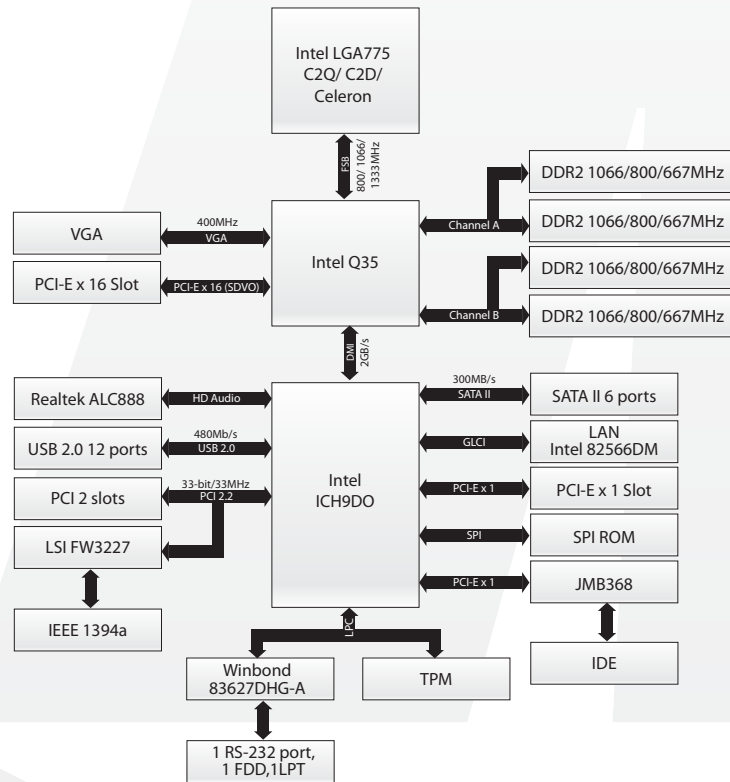
Features

- 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

Specifications

System		I/O	
CPU	Intel® LGA775 socket supports Core™2 Quad/ Core™2 Duo/ Celeron® with 45nm process technology	MIO	1 IDE, 6 SATA II, 1 LPT, 1 FDD, 1 COM RS-232, 1 PS/2 Keyboard, 1 PS/2 Mouse
FSB	1333 / 1066 / 800 MHz	USB	12 USB 2.0
BIOS	AMI 32Mb SPI BIOS	Display	
System Chipset	Intel® Q35 + ICH9DO Chipset	Chipset	Intel Q35 integrated Graphics Media Accelerator 3100
I/O Chip	Winbond W83627DHG-A	Display Memory	Intel DVMT 4.0 supports up to 384MB video memory
System Memory	Four 240-pin DIMM sockets support up to 8GB dual channel DDR2 800/ 667 SDRAM	Resolution	2048 x 1536 (@75Hz)
H/W Status Monitor	Monitoring temperature, voltage and cooling fan status. Auto throttling control when CPU overheats	VGA	On board
Expansion	1 PCI-E x 16, 1 PCI-E x 1, 2 PCI (PCI Rev. 2.3 compliant)	LVDS	Through ADD2 LVDS Card
Power State	S1, S3, S4, S5	DVI	Through ADD2 DVI Card
TPM	Onboard TPM 1.2 by Infineon SLB9635	HDMI	Through ADD2 HDMI Card
IEEE 1394	LSI FW3227 support 2 IEEE1394 ports	2nd VGA	Through ADD2 VGA Card
Wake up on LAN or Ring	LAN (PXE)	Audio	
SmartFan Control	Supports 3 modes (Silent/ Optimal/ Performance)	Audio Codec	Realtek ALC888, 5.1 + 2 CH HD Audio
		Audio Interface	Line-in, Line-out, Mic-in
		Ethernet	
		LAN	Intel 82566DM Gigabit LAN

Block Diagram



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 0.3A	+5V 3.6A	+3.3V 2.1A	5VSB 0.9A
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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)