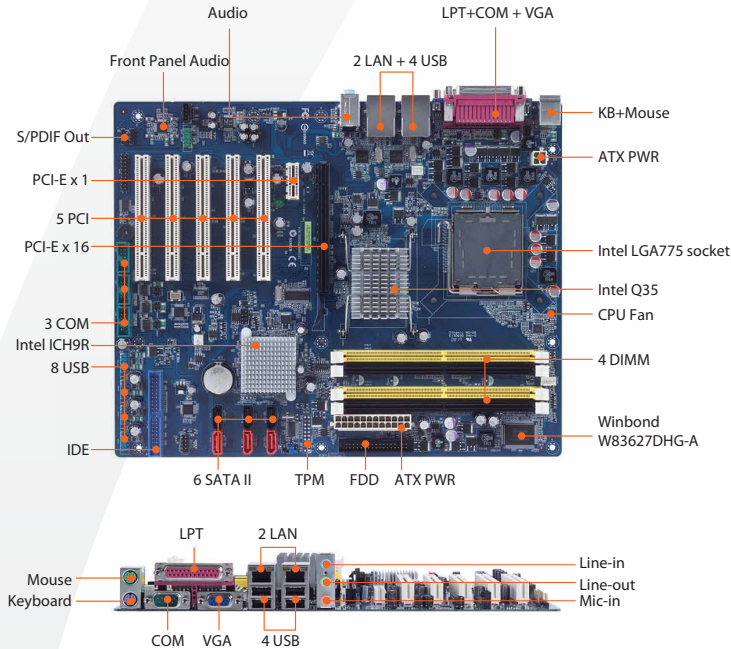


AX35Q

Intel® Q35 with Core™2 Quad ATX Motherboard



Features

- Socket 775 supports Intel® Core™ 2 Quad FSB 1333MHz CPU
- Intel® Q35 + ICH9R Chipset
- Four 240-pin DDR2 800MHz up to 8GB
- Intel Graphics Media Accelerator 3100
- Realtek ALC888, 5.1 + 2 Channel HD Streaming Audio
- Dual Realtek RTL8111C Gigabit LAN
- 1 PCI-E x16, 1 PCI-E x1, 5 PCI
- 4 COM (5/12V), 12 USB, 6 SATA II, 1 IDE
- TPM 1.2, 16-bit GPIO (DIO)
- Supports RAID 0, 1, 5, 10 function

Intel GMA 3100	PCI-E x 16	PCI-E x 1	PCI
16-bit GPIO	TPM	Powered COM	Dual GbE LAN
RAID			

Specifications

System	
CPU	Intel® LGA775 socket supports Core™2 Quad/ Core™2 Duo/ Pentium®/ Celeron® with 45nm process technology
FSB	1333/ 1066/ 800 MHz
BIOS	AMI 32Mb SPI BIOS
System Chipset	Intel® Q35 + ICH9R Chipset
I/O Chip	Winbond W83627DHG-A
System Memory	Four 240-pin DIMM sockets support up to 8GB dual channel DDR2 800/ 667 SDRAM
Watchdog Timer	Reset : 1 to 255 sec/min per step
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, 5 PCI (PCI Rev. 2.3 compliant)
TPM	Onboard TPM 1.2 by Infineon SLB9635
Power State	S1, S3, S4
Wake up on LAN or Ring	LAN (PXE / RPL)
SmartFan Control	Yes

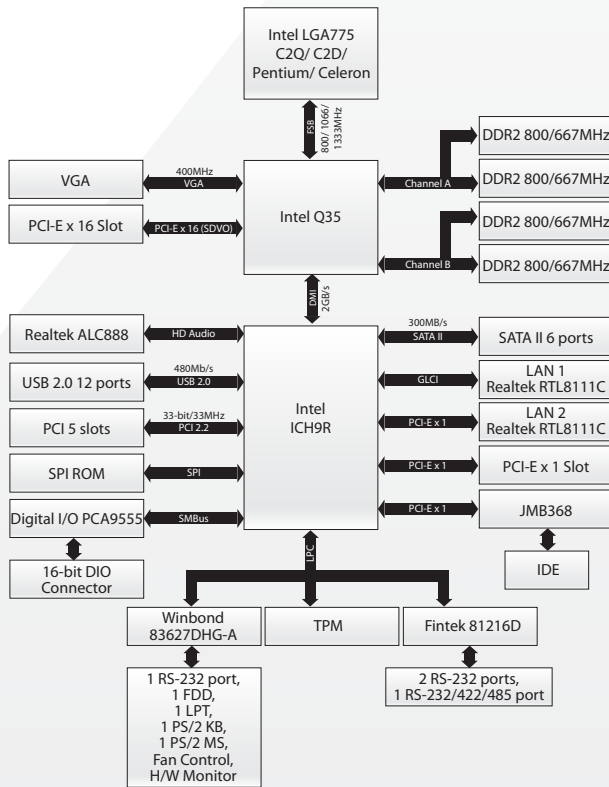
I/O	
MIO	1 IDE, 6 SATA II, 1 LPT, 1 FDD, 3 COM RS-232, 1 COM RS-232/422/485, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	12 USB 2.0
GPIO	PCA9555 supports 16-bit General Purpose I/O for 8-bit DI and 8-bit DO

Display	
Chipset	Intel Q35 Integrated Graphics Media Accelerator 3100
Display Memory	Intel DVMT 4.0 supports up to 284MB video memory
Max. 3D Resolution	2048 x 1536 (@75Hz)
VGA	On board
HDMI	Through ADD2 HDMI Card
LVDS	Through ADD2 LVDS Card
DVI	Through ADD2 DVI 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, S/PDIF Out
Audio Amplifier (W)	3+3W, TPA3005D2 Stereo (optional)

Ethernet	
LAN 1	Realtek RTL8111C Gigabit LAN
LAN 2	Realtek RTL8111C 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
- 2 LAN RJ45 Ports
- 4 USB Ports
- Audio I/O (3 jacks)

Internal I/O Connector

- 4 USB Connectors support 8 USB Ports (with 5V dual)
- 1 FDD Connector
- 1 IDE Connector
- 6 SATA Connectors
- 1 CPU Fan Header (supports PWM & DC Fan)
- 1 Chassis Fan Header (supports DC Fan only)
- 1 Power Fan Header (supports DC Fan only)
- 1 Front Audio Connector
- 2 COM RS-232 Port Headers
- 1 COM RS-232/422/485 Port Header
- 1 Front Panel Header
- 1 S/PDIF Out Header
- 1 Chassis Intrusion Header
- 1 CD-in Header (optional)
- 1 16-bit DIO Connector
- 1 Audio Amplifier

Ordering Information

AX35Q

90A-Q35000-10000B2
AX35Q R10 LGA775 ATX STD

Product Offering

until 2015

Packing List

COM Cable w/ Bracket	x 1
2 Port COM Cable w/ Bracket	x 1
SATA Data Cable	x 3
SATA Power Cable	x 3
FDD Cable	x 1
IDE Cable	x 1
Driver CD	x 1
Startup Manual	x 1

Optional Accessory

14GS0300020V04	USB Cable w/ Bracket
14GS0300021V04	USB Cable w/o Bracket
14GS0000072V04	COM Cable w/ Bracket

Mechanical & Environmental

Power Requirement	+12V 0.3A	+5V 3.6A	+3.3V 2.1A	5VSB 0.9A
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Power Connector	1 24-pin ATX Power Connector 1 4-pin ATX 12V Power Connector
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Power Type	ATX
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Operating Temperature	0 to 60°C (32 to 140°F)
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Operating Humidity	0% to 90% relative humidity, non-condensing
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Size (L x W)	12" x 9.6" (304.8 mm x 243.84 mm)
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Weight	1.32 lbs (0.6 Kg)
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