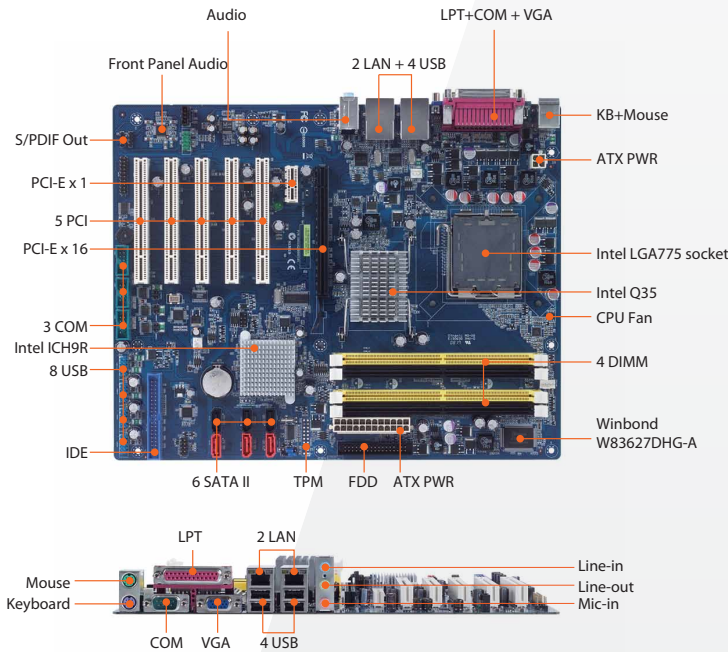


DV7550-Q35

Intel® Q35 with Core™2 Quad ATX Motherboard



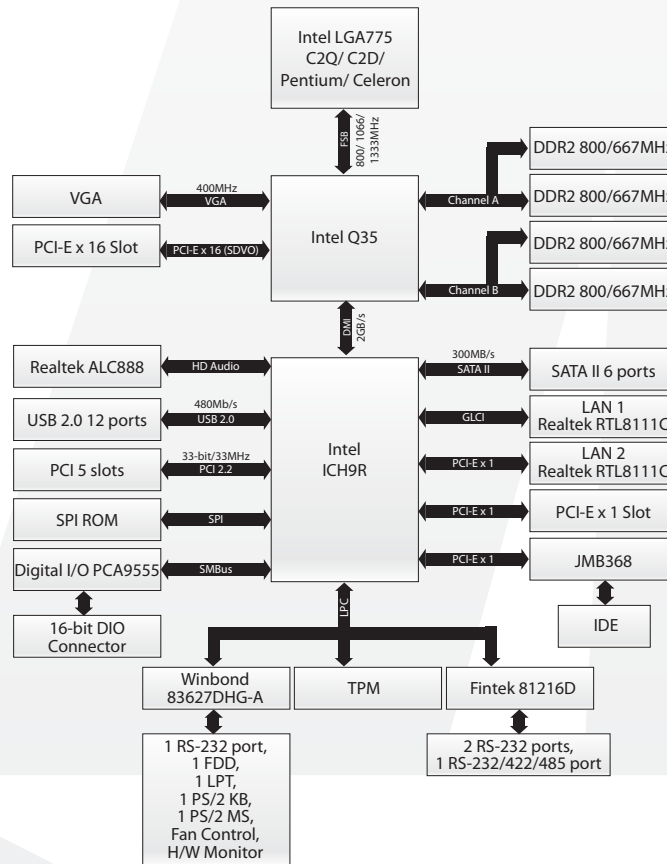
Features

- 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

Specifications

System		I/O	
CPU	Intel® LGA775 socket supports Core™2 Quad/ Core™2 Duo/ Pentium®/ Celeron® with 45nm process technology	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
FSB	1333/ 1066/ 800 MHz	USB	12 USB 2.0
BIOS	AMI 32Mb SPI BIOS	GPIO	PCA9555 supports 16-bit General Purpose I/O for 8-bit DI and 8-bit DO
System Chipset	Intel® Q35 + ICH9R Chipset	Display	
I/O Chip	Winbond W83627DHG-A	Chipset	Intel Q35 Integrated Graphics Media Accelerator 3100
System Memory	Four 240-pin DIMM sockets support up to 8GB dual channel DDR2 800/ 667 SDRAM	Display Memory	Intel DVMT 4.0 supports up to 284MB video memory
Watchdog Timer	Reset : 1 to 255 sec/min per step	Max. 3D 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, 5 PCI (PCI Rev. 2.3 compliant)	HDMI	Through ADD2 HDMI Card
TPM	Onboard TPM 1.2 by Infineon SLB9635	LVDS	Through ADD2 LVDS Card
Power State	S1, S3, S4	DVI	Through ADD2 DVI Card
Wake up on LAN or Ring	LAN (PXE / RPL)	2nd VGA	Through ADD2 VGA Card
SmartFan Control	Yes	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



DV7550-Q35

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

Mechanical & Environmental

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

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

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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