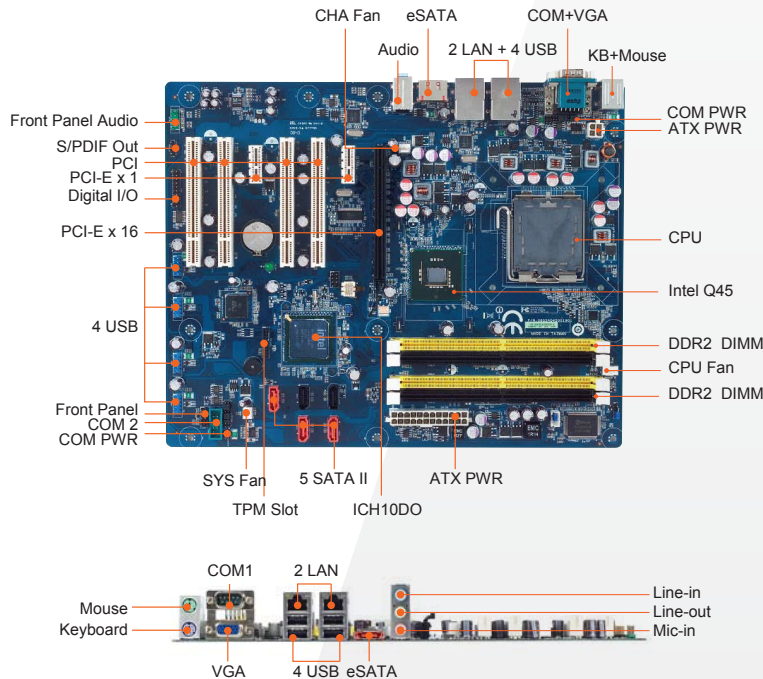


DV7560-Q45

Intel® Q45 with Core™ 2 Quad/ Core™ 2 Duo ATX Motherboard



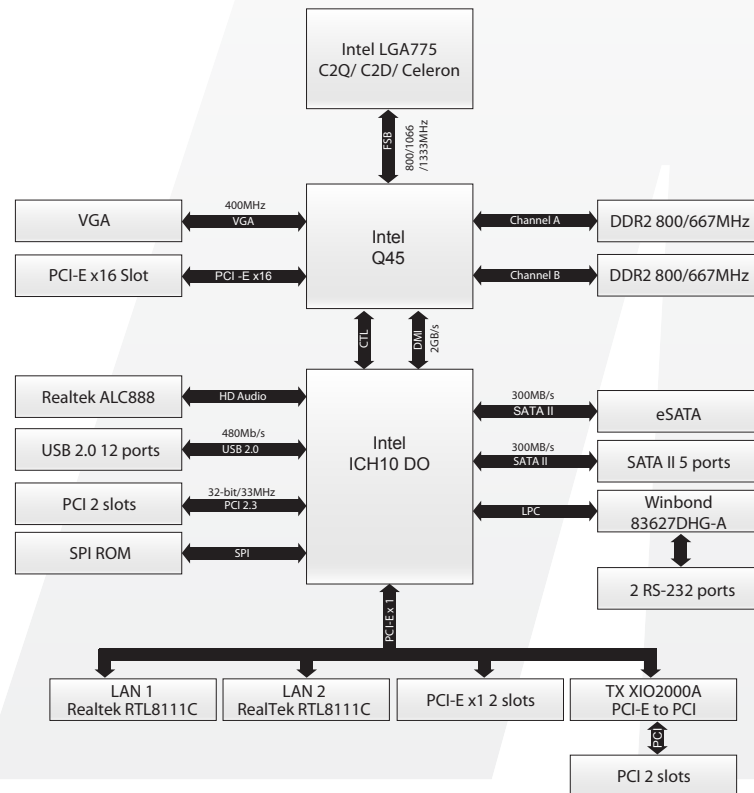
Features

- Socket 775 supports Intel® Q45 Core™ 2 Quad 45nm CPU
- Intel® Q45 + ICH10DO Chipset
- Four DIMMs up to 8GB DDR2 800 SDRAM
- Intel Graphics Media Accelerator X4500
- Realtek ALC888, 5.1 + 2 Channel HD Streaming Audio
- Dual Realtek RTL8111C Gigabit LAN
- 1 PCI-E x 16, 2 PCI-E x 1, 2 PCI 2.3 32-bit 33/66MHz (TI Bridge), 2 PCI 2.3 33MHz (South Bridge)
- 2 COM, 12 USB 2.0, 5 SATA II, 1 eSATA

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, 3 COM RS-232 (5V/12V), 1 COM RS-232, 1LPT, 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® Q45 + ICH10DO Chipset | | |
| System Memory | Four 240-pin DIMMs 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, 2 PCI-E x 1, 2 PCI 2.3 32-bit 33/66MHz (TI Bridge), 2 PCI 2.3 33MHz (South Bridge) | | |
| TPM | Intel® Integrated TPM 1.2 | | |
| Power State | S1, S3, S4, S5 | | |
| Wake up on LAN or Ring | LAN (PXE) | | |
| SmartFan Control | Yes | | |
| | | Display | |
| | | Chipset | Intel® Q45 integrated Graphics Media Accelerator X4500 |
| | | Display Memory | Intel DVMT 4.0 supports up to 384MB video memory |
| | | Max. 3D Resolution | 2048 x 1536 (@75Hz) |
| | | VGA | On board |
| | | Audio | |
| | | Audio Codec | Realtek ALC888, 5.1 + 2 CH HD Audio |
| | | Audio Interface | Line-in, Line-out, Mic-in |
| | | 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 COM RS-232 Port
- 2 LAN RJ45 Ports
- 4 USB Ports
- 1 eSATA
- Audio I/O (3 jacks)

Internal I/O Connector

- 5 SATA Connectors
- 4 USB Connectors support 8 USB Ports (with 5V dual)
- 4 COM RS-232 Headers
- 1 CPU Fan Connector
- 1 Chassis Fan Connector
- 1 Power Fan Connector
- 1 Front Panel Header
- 1 Chassis Intrusion Header
- 1 S/PDIF Out Header
- 1 16-bit DIO Header

Mechanical & Environmental

| | | | | |
|--------------------------|------|-------|-------|-------|
| Power Requirement | +12V | +5V | +3.3V | 5VSB |
| | 4.3A | 3.16A | 5.14A | 1.03A |

Power Type ATX

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

Operating Temperature 0 to 60°C (32 to 140°F)

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

Size (L x W) 12" x 9.6" (304.8 mm x 243.84 mm)

Weight 1.32 lbs (0.6 Kg)