

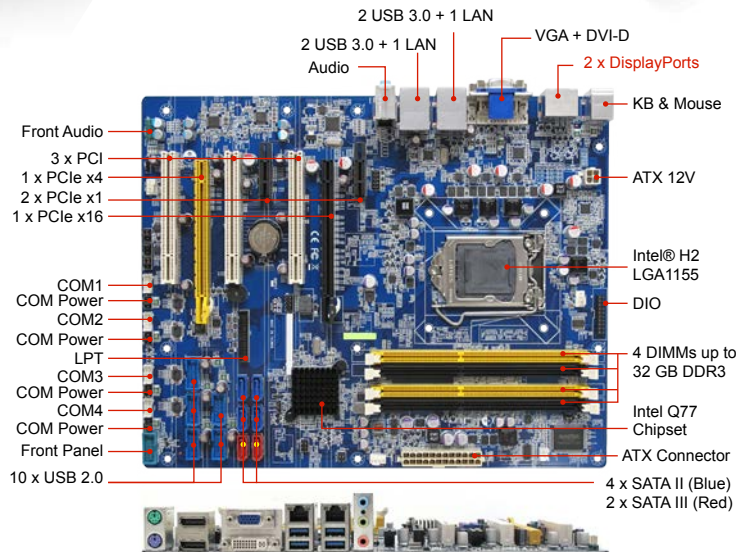
BC77Q

ATX Motherboard

Intel® Q77 ATX motherboard supports 3rd Gen. 22nm/32nm Intel® Core™ i7 / i5 / i3 Processors

Features

- Intel® Socket H2 LGA1155 supports Intel® Sandy Bridge/Ivy Bridge Processor Up to 95W TDP
- up to 32 GB DDR3 1333/1600 MHz system memory
- Dual display via DVI-D, VGA and 2 x DisplayPort
- Support Multi-monitors
- 1 x Gen 3 PCIe x16, 1 x PCIe x4, 2 x PCIe x1, 3 x PCI
- 4 x COM
- LPT onboard
- 4 x USB 3.0
- 10 x USB 2.0
- 2 x SATA III (6.0 Gb/s)
- 4 x SATA II (3.0 Gb/s)



Specifications

System

CPU	Intel® Socket H2 LGA1155 supports 22nm/32nm Intel® Core™ i7/ i5/ i3 Processors and Celeron® Processor up to 95W TDP
System Chipset	Intel® Q77 Chipset
System Memory	Four DIMM slots support up to 32 GB dual channel 1333/1600 MHz DDR3 memory modules
BIOS	AMI 64Mb SPI BIOS
I/O Chip	Nuvoton® NCT6776F
Expansion	1 x PCI Express x 16 1 x PCI Express x4 (x16 yellow physical slot) 2 x PCI Express x1 3 x PCI slots
TPM	Trusted Platform Module 1.2 (TPM 1.2)
Watchdog Timer	Reset: 1 sec. ~ 255min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature, Voltage, with Auto Throttling Control

Rear I/O

KB/MS	1 PS/2 Keyboard, 1 PS/2 Mouse
Audio	Line-in, Line-out, Mic-in, Front Audio Header
USB	4 x USB 3.0
LAN	2 x RJ45
VGA	1 x DB-15
Display	1 x DVI, 2 x DisplayPort

Onboard I/O

USB	5 x USB Connector (10 USB Ports)
COM (Serial Port)	3 x RS-232, 1 x RS-232/422/485
SATA	4 x SATA II (3.0 Gbs) and 2 x SATA III (6.0 Gbs)
MIO	1 x CPU Fan, 1 x Chassis Fan, 1 x Front Panel, 1 x Front Audio, 1 x Amplifier, 2 x LAN Status LED headers, 1 x LPT, 1 x 16-bit GPIO

Display

Graphics Engine	Intel® Integrated Graphic
Display Interfaces	VGA, DVI-D, 2 x DisplayPort
Display Capability	Supports 3 independent onboard display

Audio

Audio Codec	Realtek® ALC892 Audio Codec
-------------	-----------------------------

Ethernet

LAN1	Intel® 82579LM Phy Gigabit Ethernet Controller
LAN2	Intel® 82583V PCIe Gigabit Ethernet Controller

Mechanical & Environment

Power Type	1 x 24-pin ATX Connector, 1 x 4-pin ATX 12 Connector, AT/ATX Mode Jumper
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-20 ~ 80°C (-4° ~ 176°F)
Operating Humidity	5%~90% Relative Humidity, Non-condensing
Form Factor	ATX
Dimensions (L) x (W)	12" (L) x 9.6" (W)
Weight	1.65 lbs

Ordering Info

BC77Q	Intel® Q77 ATX Motherboard
Accessory Included	1 x Dual COM Port Cable, 2 x SATA Data Cables, 1 x I/O Shield, 1 x Driver DVD, 1 x Quick Installation Guide
182000000044	2.00mm pitch 11.8" length Parallel cable w/ full height bracket
183000000006	2.00mm pitch 12" length Serial cable
182437200040	2.54mm pitch 14" length Dual port USB cable w/ full height bracket

* All product specifications and images are subject to change without notice.
Last update: 2/21/2014