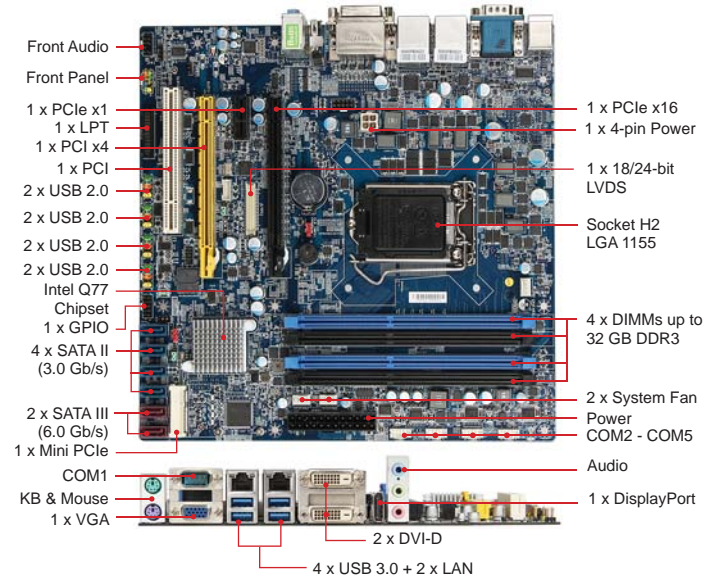


### Features

- Socket H2 LGA1155 supports 3rd/2nd Gen Intel® Core i7/i5/i3 (Ivy Bridge/Sandy Bridge) Processor up to 32 GB DDR3 1600/1333 MHz system memory
- 2 x DVI-D
- VGA and 1 x DisplayPort
- 18/24-bit dual channel LVDS
- Support Multi-monitors
- 1 x Gen 3 PCIe x16, 1 x PCIe x4, 1 x PCIe x1, 1 x Mini PCIe, 1 x PCI
- 5 x COM
- LPT onboard
- 4 x USB 3.0, 8 x USB 2.0
- 2 x SATA III (6.0 Gb/s), 4 x SATA II (3.0 Gb/s)
- Intel® AMT 8.0
- TPM 1.2



### Specification

#### System

|                     |   |
|---------------------|---|
| CPU                 | Intel® Socket H2 LGA1155 supports 22nm/32nm Intel® Core™ i7/i5/i3 Processors and Celeron® Processor up to 95W TDP |
| Chipsets            | Intel® Q77 Chipset  |
| System Memory       | Four DIMM slots support up to 32 GB dual channel 1333/1600 MHz DDR3 memory modules                                |
| BIOS                | AMI 32Mb SPI BIOS   |
| Expansion Interface | 1 x PCI Express x16, 1 x PCI Express x4 (x16 Physical slot), 1 x PCI Express x1, 1 x Mini PCI Express, 1 x PCI    |
| Intel® AMT          | Intel® Active Management Technology 8.0   |
| TPM                 | Supported by Infineon SLB9635TT1.2  |
| Watchdog Timer      | Reset: 1 sec.~255 min. and 1 sec. or 1 min./step  |
| H/W Status Monitor  | Monitoring CPU Temperature, Voltage, and Cooling Fan Status. Auto Throttling Control When CPU Overheats           |

#### Display

|              |  |
|--------------|--|
| Chipset      | Intel® Integrated HD Graphics                            |
| Dual Display | VGA, 2 x DVI-D, DisplayPort, 18/24-bit dual channel LVDS |

#### Onboard I/O Headers

|      |   |
|------|---|
| 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 |
| SATA | 4 x SATA II (3.0 Gbs) and 2 x SATA III (6.0 Gbs) RAID 0, 1, 5 and 10                                      |
| USB  | 4 x USB 2.0 Connector ( 8 USB Ports)  |
| COM  | 4 x RS-232  |
| GPIO | 1 x 8-bits GPIO   |
| LVDS | 1 x 18/24-bit dual channel LVDS   |
| LPT  | 1 x LPT Header  |

#### Back I/O Panel

|              |  |
|--------------|--|
| PS/2         | 2 x PS/2 Connector (Keyboard & Mouse)                  |
| Video Output | 1 x DB-15, 2 x DVI-D, 1 x DisplayPort                  |
| COM          | 1 x RS-232/422/485 Connector                           |
| LAN and USB  | 2 x Stack up RJ45 and USB 3.0 Connectors (4 x USB 3.0) |
| Audio        | 1 x 3 Jacks Audio Connector                            |

#### Audio

|             |                               |
|-------------|-------------------------------|
| AC'97 Codec | Realtek ALC887 HD Audio Codec |
| Amplifier   | 3W x 2 Channel Amplifier      |

#### Ethernet

|       |                                     |
|-------|-------------------------------------|
| LAN 1 | Intel® 82579LM PHY Gigabit Ethernet |
| LAN 2 | Intel® 82574L PCIe Gigabit Ethernet |

#### Mechanical and Environment

|                       |  |
|-----------------------|--|
| Power Type            | 1 x 24-pin ATX Connector, 1 x 4-pin ATX 12 Connector, AT/ATX Mode Jumper |
| Operating Temperature | 0° C to 60° C  |
| Operating Humidity    | 5%~90% Relative Humidity, Non-Condensing                                 |
| Form Factor           | Micro ATX  |
| Dimensions            | 9.6" (L) x 9.6" (W)  |
| Weight                | 1.45 lbs   |

### Ordering Information

|                     |  |
|---------------------|--|
| <b>RX77Q</b>        | Intel Q77 Micro ATX Motherboard  |
| <b>Accessory</b>    | 1 x 2 COM Ports with Bracket, 2 x SATA cables, 1 x Standard I/O Shield, 1 x Driver CD/DVD, 1 x User's Quick Start Card |
| <b>182000000044</b> | 2.00mm pitch 11.8" length Parallel cable w/ full height bracket  |
| <b>183000000006</b> | 2.00mm pitch 12" length Serial cable   |
| <b>182437200040</b> | 2.54mm pitch 14" length Dual port USB cable w/ full height bracket   |

\* All product specifications are subject to change without notice. Last update: 11/12/2013