

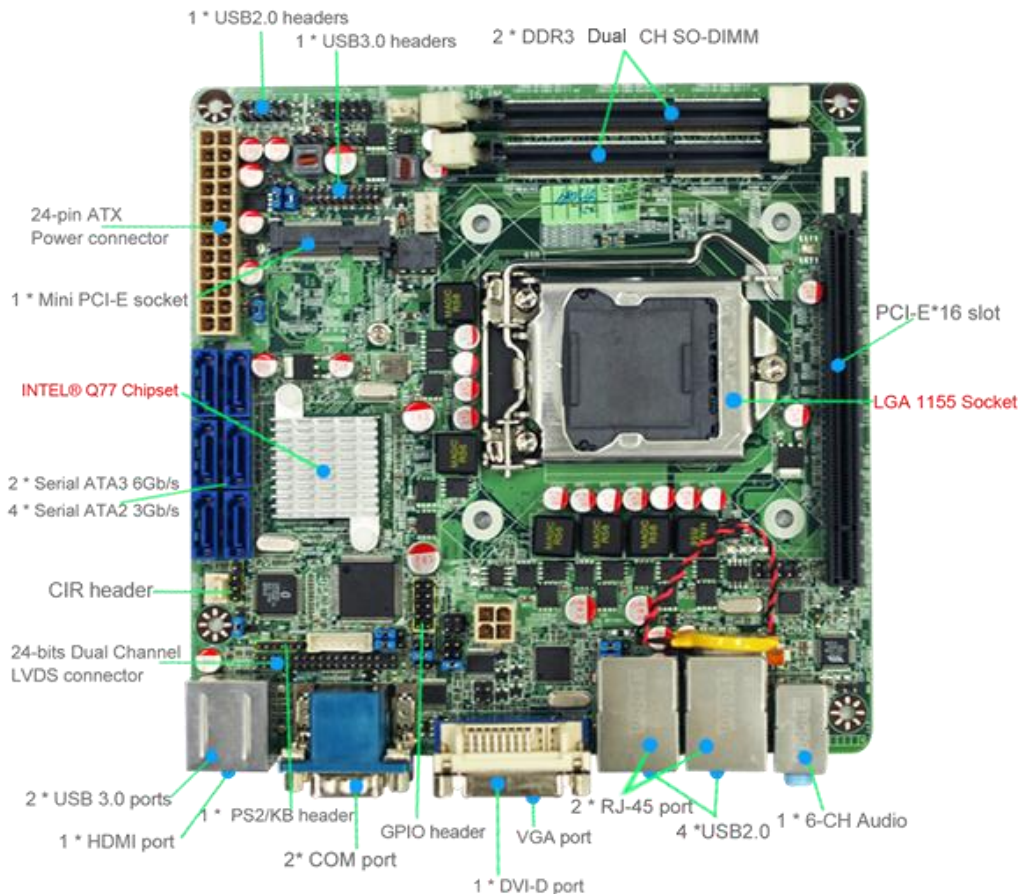
# NF9E-Q77

3<sup>rd</sup> Generation Intel® Core™ Mini-ITX  
2GbE LAN / iAMT 8.0 / PCIE 3.0 / 10USB



## Features

1. Embedded Long-life Series, 5 Year Availability
2. 3<sup>rd</sup> Generation Intel Core i3, i5, i7, LGA1155 Ivy Bridge
3. Intel Q77 Express Chipset (Panther Point)
4. Supports 2 \* DDR3-1066/1333 SO-DIMM up to 16GB
5. Supports 2\* SATA3 6Gb/s and 4 \* SATA2 3Gb/s with RAID
6. 4 \* USB 3.0 (2-External, 2-Internal)
7. 2 \* RS232 Serial Ports and 1 \* RS422/485 TX-RXCHeader
8. Dual Gigabit Intel LANs (iAMT 8.0)
9. HDMI/DVI/VGA Video Outputs, HD Audio
10. PCI Express 3.0 x16
11. PCI Express Mini Card Slot
12. Watchdog Timer 1-255 min/sec
13. Mini-ITX Form Factor (170mm x 170mm)



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## NF9E-Q77 Specifications

<b>CPU</b>	<ul style="list-style-type: none"> <li>3<sup>rd</sup> Generation Intel Core i3, i5, i7, Pentium, Celeron Processors, LGA1155 Socket</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel Q77 Express Chipset (Panther Point)</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>Integrated Intel HD Graphics in CPU</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>2 * 204-pin DDR3-1066/1333 Dual Channel SO-DIMM up to 16GB</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 * PCI Express 3.0 x16 Slot (Requires 3rd Generation Processor)</li> <li>1 * PCI Express Mini Card Slot (half-size)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>2 * SATA3 6Gb/s Ports with RAID 0, 1</li> <li>4 * SATA2 3Gb/s Ports with RAID 0, 1, 5, 10</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Realtek ALC662 5.1 Channel Audio</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>1 * Intel 82579LM PHY Gigabit LAN (iAMT 8.0)</li> <li>1 * Intel 82574L PCI-E Gigabit LAN</li> </ul>
<b>COM</b>	<ul style="list-style-type: none"> <li>2 * RS232 Serial Ports Total (2-External)</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>4 * USB 3.0 Ports and 6 * USB 2.0 Total</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Support ACPI S3, CPU Smart FAN, Watchdog Timer 1-255 min/sec</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>2 * USB 3.0 Ports</li> <li>1 * HDMI</li> <li>2 * Serial Ports (RS232)</li> <li>1 * VGA Port</li> <li>1 * DVI-D</li> <li>2 * RJ-45 Ports</li> <li>4 * USB 2.0 Ports</li> <li>3 * Audio Ports ( Line-in, MIC, Line-out )</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>1 * USB Headers for 2 * USB 3.0 Ports</li> <li>1 * USB Headers for 2 * USB 2.0 Ports</li> <li>1 * 24-bit Dual Channel LVDS Header &amp; Inverter (CHRONTEL CH7308B)</li> <li>1 * RS422/485 TX-RXCOM Header</li> <li>1 * 24-pin ATX Power Connector &amp; 4-pin 12V ATX Connector</li> <li>1 * Chassis Intrusion Header</li> <li>1 * GPIO</li> <li>1 * CIR</li> <li>Front Panel Headers</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI EFI BIOS 64MB SPI Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>NF9E Motherboard, SATA Cables, Manual, DVD Driver Disk, I/O Shield</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>CE, FCC, RoHS, ErP</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating Temperature 0~60 ° C</li> <li>Storage Temperature -20~85 ° C</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>Mini-ITX Form Factor (170mm x 170mm)</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>2 Years Limited Warranty</li> </ul>

\*This board is designed to be installed in a chassis with at least one exhaust fan.

\*\*Specifications subject to change without notice, not responsible for typographical errors.



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