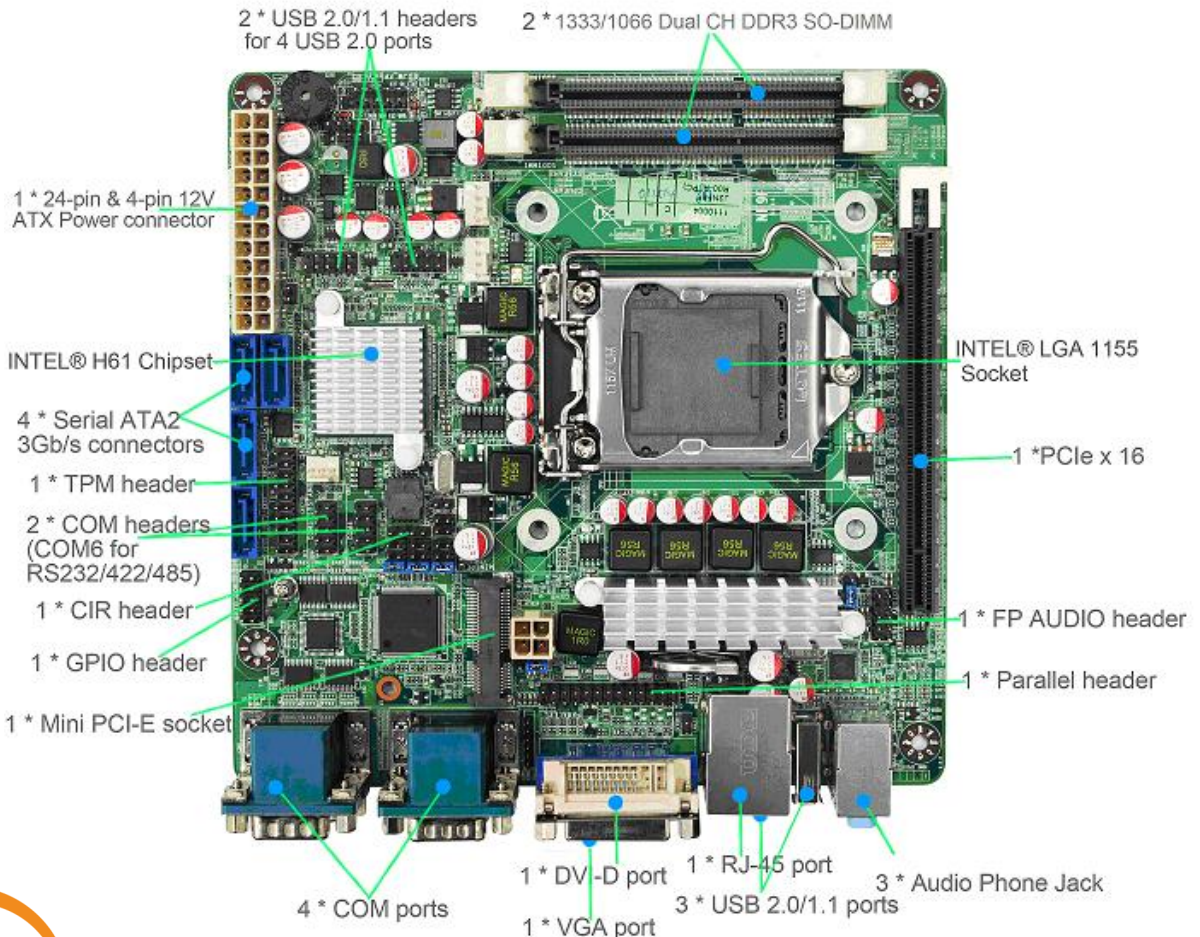
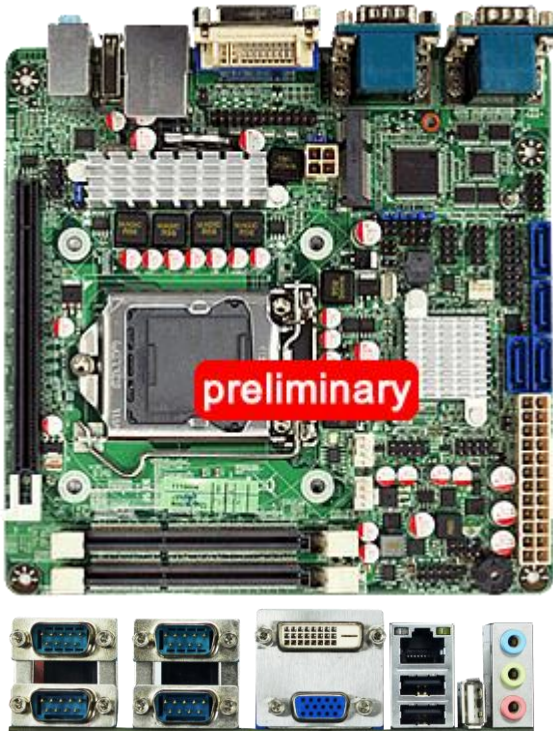


# NF9F-H61

2<sup>nd</sup> Generation Intel® Core™ Mini-ITX  
TPM 1.2 / Gigabit LAN / 6COM / 7USB

## Features

1. Embedded Long-life Series, 5 Year Availability
2. 2<sup>nd</sup> Generation Intel Core i3, i5, i7, LGA1155 Sandy Bridge
3. Intel H61 Express Chipset
4. Supports 2 \* DDR3-1066/1333 SO-DIMM up to 16GB
5. Supports 4 \* SATA2 3Gb/s Devices
6. 6 \* Serial Ports (4-External, 2-Internal)
7. Gigabit LAN with Enhanced Surge Protection
8. DVI/VGA Video Outputs, HD Audio
9. PCI Express 2.0 x16
10. PCI Express Mini Card Slot
11. Watchdog Timer 1-255 min/sec
12. Mini-ITX Form Factor (170mm x 170mm)



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## NF9F-H61 Specifications

<b>CPU</b>	<ul style="list-style-type: none"> <li>2nd Generation Intel Core i3, i5, i7, Pentium, Celeron Processors, LGA1155 Socket</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>Intel H61 Express Chipset</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 2.0 x16 Slot</li> <li>1 * PCI Express Mini Card Slot (full-size)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>4 * SATA2 3Gb/s Ports</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 * Realtek RTL8111EVL PCI-E Gigabit LAN with Enhanced Surge Protection</li> </ul>
<b>COM</b>	<ul style="list-style-type: none"> <li>6 * Serial Ports Total (4-External, 2-Internal)</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>7 * USB 2.0 Ports 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>3 * USB 2.0 Ports</li> <li>4 * Serial Port (RS232)</li> <li>1 * VGA Port</li> <li>1 * DVI-D</li> <li>1 * RJ-45 Port</li> <li>3 * Audio Ports ( Line-in, MIC, Line-out )</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>2 * USB Headers for 4 * USB 2.0 Ports</li> <li>2 * Serial Headers (1 * RS232, 1 * RS232/422/485)</li> <li>3 * Fan Headers</li> <li>1 * 24-pin ATX Power Connector &amp; 4-pin 12V ATX Connector</li> <li>1 * TPM 1.2 Header</li> <li>1 * Chassis Intrusion Header</li> <li>1 * GPIO</li> <li>1 * CIR</li> <li>1 * Parallel Header, 1 * Audio Header</li> <li>Front Panel Headers</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI SPI 32MB DIP Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>NF9F Motherboard, SATA Cables, Serial 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 Temp 0~60° C</li> <li>Storage Temp -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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