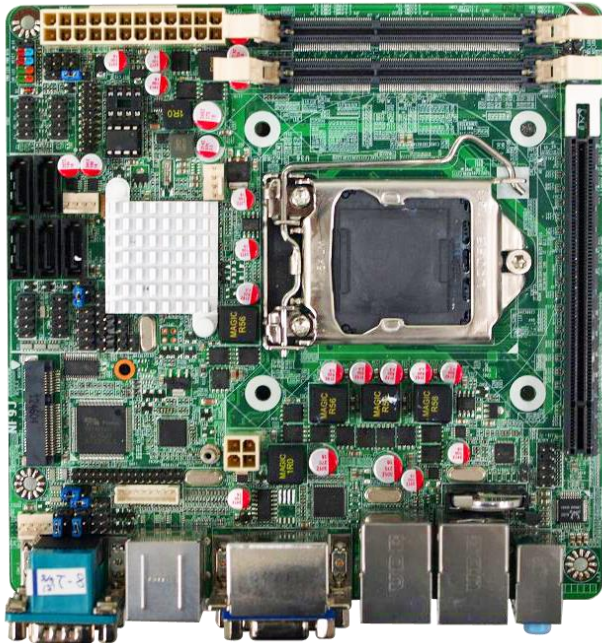


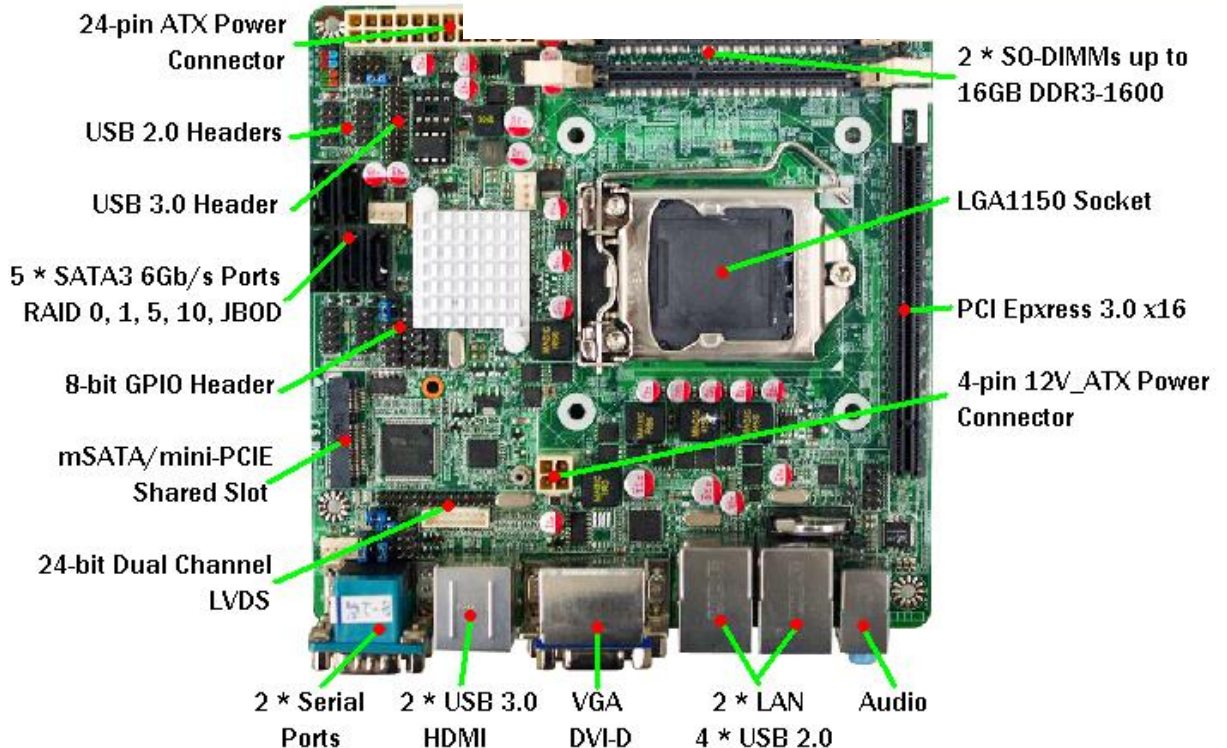
# NF9J-Q87

## Mini-ITX Industrial Motherboard LGA1150 4th Gen Intel Core / Q87 / 2 GbE / USB 3.0



### Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q4'2018
2. Socket LGA1150 Supporting 4th Generation Intel Core i3, i5, i7 Processors (Haswell), Intel Q87 Express Chipset
3. Intel HD 4000/5000 Graphics, DirectX 11.1
4. Supports up to Three Independent Displays, HDMI, DVI, VGA, 24bit LVDS
5. Supports DDR3-1600 SODIMM up to 16GB Total
6. 5 \* SATA3 6Gb/s ports supporting RAID 0, 1, 5, 10, JBOD
7. 1 \* Shared mSATA/mini-PCI Express Slot
8. Dual Intel Gigabit LAN, Intel iAMT 9.0 Supported
9. 1 \* PCI Express 3.0 x16, HD Audio
10. 4 \* Serial Jumperless Config Ports, 8-bit GPIO
11. 4 \* USB 3.0 Ports, 8 \* USB 2.0 Ports, Watchdog Timer
12. Compatible with Win XP, Win 7, Win 8, Linux
13. Mini-ITX Form Factor (170mm x 170mm)



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<b>Model / Series</b>	■ NF9J
<b>Part No</b>	■ JNF9J-Q87
<b>Processor</b>	■ Socket LGA1150, Supports 4th Generation Intel Core i3, i5, i7 processors (Haswell)
<b>Chipset</b>	■ Intel Q87 Express Chipset
<b>Video</b>	■ Intel HD 4000/5000 Graphics in processor, DirectX 11.1, OpenGL 4.0
<b>Memory</b>	■ 2 * 204-pin SO-DIMM slots supporting dual channel DDR3-1600 up to 16GB total
<b>Expansion Slots</b>	■ 1 * PCI Express 3.0 x16 Slot
<b>Storage</b>	■ 5 * SATA3 6Gb/s ports supporting RAID 0, 1, 5, 10 , JBOD ■ 1 * Shared mSATA/mini-PCI Express slot (Full-size)
<b>Audio</b>	■ Realtek ALC662 5.1 Channel HD Audio
<b>Network</b>	■ 1 * Intel i211AT Gigabit LAN, 1 * Intel i217LM Gigabit LAN with iAMT 9.0 support
<b>Other Features</b>	■ Support ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec
<b>Rear Panel I/O</b>	■ 2 * USB 3.0 Ports ■ 4 * USB 2.0 Ports ■ 2 * RJ-45 Ports ■ 2 * Serial Ports (1 * RS232, 1 * RS232/422/485) ■ 1 * HDMI, 1 * DVI-D, 1 * VGA ■ 3 * Audio Jacks (Line In, Line Out, Mic In)
<b>Internal I/O</b>	■ 1 * USB Header for 2 * USB 3.0 Ports ■ 2 * USB Headers for 4 * USB 2.0 Ports ■ CPU Fan connector, 2 * SYSFAN connectors ■ 1 * PS/2 Mouse/Keyboard connector ■ 2 * Serial Port Headers (1 * RS232, 1 * RS232/422/485) ■ 8-bit GPIO Header, CIR Header, Chassis Intrusion Header ■ 24-pin ATX and 4-pin 12V_ATX Power connectors
<b>BIOS</b>	■ AMI UEFI 64MB DIP Flash ROM
<b>Box Contents</b>	■ NF9J Motherboard, SATA Cables, Manual, DVD Driver Disk, I/O Shield
<b>Certification</b>	■ CE, FCC, RoHS, ErP
<b>Temperature</b>	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
<b>Form Factor</b>	■ Mini-ITX Form Factor (170mm x 170mm)
<b>Warranty</b>	■ 2 Years Limited Warranty

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



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