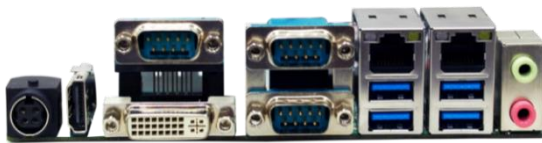
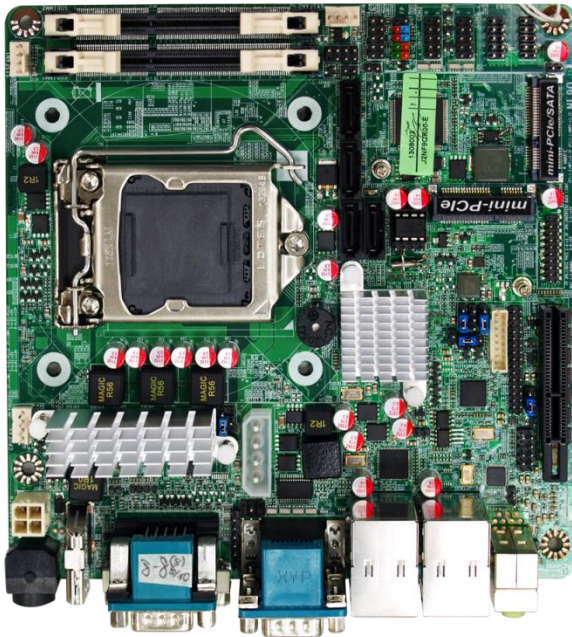


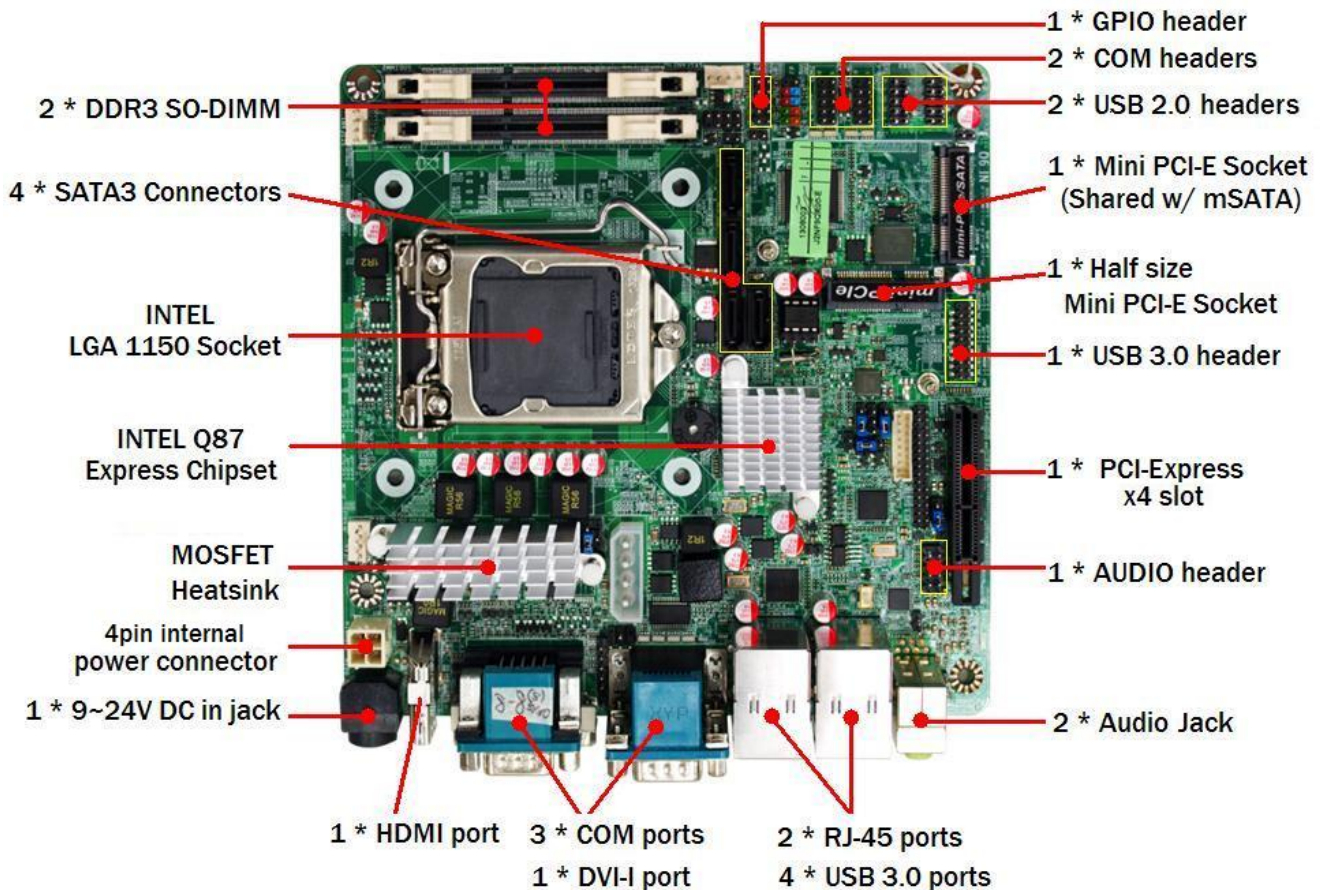
NF9Q-Q87

Mini-ITX Industrial Motherboard LGA1150
2 Intel LAN / 5 COM / USB 3.0 / +9V ~ +24V DC



Features

1. Long-Life Embedded 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 Graphics, DirectX 11.1
4. Supports up to 2 Displays, HDMI, DVI-I, 24bit LVDS
5. Supports DDR3-1600 SODIMM up to 16GB Total
6. 4 * SATA3 6Gb/s Ports Supporting RAID 0, 1, 5, 10, JBOD
7. 1 * mSATA/mini-PCIE Shared Slot, 1 * mini-PCIE Slot
8. Dual Intel Gigabit LAN, Intel iAMT 9.0 Support
9. 1 * PCI Express 2.0 x4, HD Audio
10. 5 * Serial Ports (3-EXT, 2-INT), 8-bit GPIO
11. 6 * USB 3.0 Ports, 4 * USB 2.0 Ports, Watchdog Timer
12. +9V ~ +24V DC-in or 4-pin Internal Power Connector
13. Compatible with Win XP, Win 7, Win 8, Linux
14. Mini-ITX Form Factor (170mm x 170mm)
15. Also Used in Jetway Fanless Barebones HBJC501F9Q-Q87-B



Model / Series	■ NF9Q
Part No	■ JNF9Q-Q87
Processor	■ Socket LGA1150, Supports 4th Generation Intel Core i3, i5, i7 processors (Haswell)
Chipset	■ Intel Q87 Express Chipset
Video	■ Intel HD Graphics in processor, DirectX 11.1, OpenGL 4.0
Memory	■ 2 * 204-pin SO-DIMM slots supporting dual channel DDR3-1600 up to 16GB total
Expansion Slots	■ 1 * PCI Express 2.0 x4 Slot ■ 1 * PCI Express mini card slot (half-size)
Storage	■ 4 * SATA3 6Gb/s ports supporting RAID 0, 1, 5, 10 , JBOD ■ 1 * mSATA/mini-PCI Express shared slot (Full-size)
Audio	■ Realtek ALC662 5.1 Channel HD Audio
Network	■ 1 * Intel i211AT Gigabit LAN, 1 * Intel i217LM Gigabit LAN with iAMT 9.0 support
Other Features	■ Support ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec
Rear Panel I/O	■ 4 * USB 3.0 Ports, 2 * RJ-45 Ports ■ 3 * Serial Ports (2 * RS232, 1 * RS232/422/485) ■ 1 * HDMI, 1 * DVI-I ■ 2 * Audio Jacks (Line Out, Mic In) ■ +9 ~ +24V DC-in 4-pin MINI DIN jack
Internal I/O	■ 1 * USB Header for 2 * USB 3.0 Ports ■ 2 * USB Headers for 4 * USB 2.0 Ports ■ 1 * 24bit dual channel LVDS & Inverter ■ 1 * AT/ATX power switch mode select jumper ■ 2 * Serial Port Headers (2 * RS232), 1 * PS2 KB/MS Header ■ 8-bit GPIO Header, Chassis Intrusion Header ■ 4-pin Internal alternate power connector
BIOS	■ AMI UEFI 64MB DIP Flash ROM
Box Contents	■ NF9Q Motherboard, SATA Cable, Manual, DVD Driver Disk, I/O Shield
Certification	■ CE, FCC, RoHS, ErP
Temperature	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	■ Mini-ITX Form Factor (170mm x 170mm)
Warranty	■ 2 Years Limited Warranty

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



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