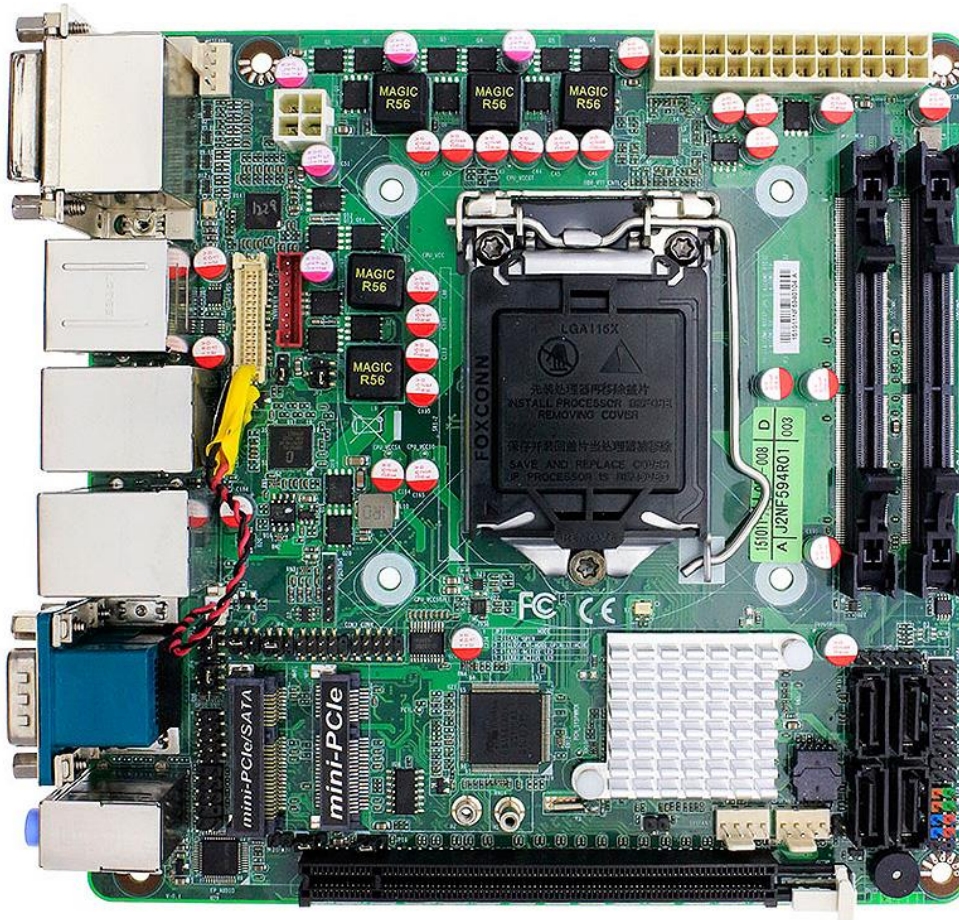
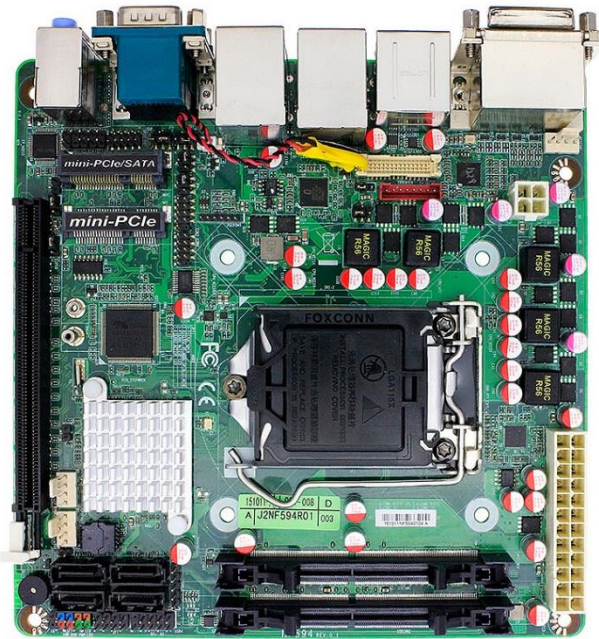


# NF594

## Mini-ITX Industrial Motherboard / DDR4 Skylake LGA1151 / 2 Intel LAN / SATA3 RAID

### Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q4'2020
2. Supports Intel 6th Gen Core i3, i5, i7 Processor, LGA1151, Skylake Platform, Intel Q170 Express Chipset
3. Supports DDR4-2133 SODIMM up to 32GB Total
4. 2 \* Intel Gigabit LAN, 3 Displays DP, HDMI, DVI, LVDS
5. 4 \* SATA3 6Gb/s Ports Supporting RAID 0, 1, 5, 10
6. 1 \* mSATA/mini-PCIE, 1 \* mini-PCIE Slot, HD Audio
7. 1 \* PCI Express 3.0 x16, 6 \* USB 3.0, 2 \* USB 2.0
8. 4\* Serial Ports, Watchdog Timer, AT/ATX Power Switch Mode
9. 24-pin ATX + 4-pin ATX\_12V Power Connector
10. Compatible with Windows 7, 8.1, 10, Linux
11. Mini-ITX Form Factor (170mm x 170mm)



<b>Model / Series</b>	■ NF594
<b>Part No</b>	■ JNF594-Q170
<b>Processor</b>	■ Support 6th Gen Intel Core i3, i5, i7 Processors, LGA1151 Socket, Skylake
<b>Chipset</b>	■ Intel Q170 Express
<b>Video</b>	■ Intel HD Graphics in processor
<b>Memory</b>	■ 2 * 260-pin SO-DIMM slots supporting DDR4-2133 up to 32GB total
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>■ 1 * PCI Express 3.0 x16 slot</li> <li>■ 1 * Full-size mSATA/Mini-PCI Express shared slot</li> <li>■ 1 * Half-size mini-PCI Express slot</li> </ul>
<b>Storage</b>	■ 4 * SATA3 6Gb/s ports supporting RAID 0, 1, 5, 10, JBOD
<b>Audio</b>	■ Realtek ALC662 HD audio
<b>Network</b>	■ 2 * Intel Gigabit LAN (1 * i211-AT, 1 * i219-LM supporting iAMT 11.0 & vPRO)
<b>Other Features</b>	■ Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>■ 6 * USB 3.0 ports</li> <li>■ 2 * RJ-45 ports</li> <li>■ 2 * Serial ports (1 * RS232, 1 * RS232/422/485)</li> <li>■ DisplayPort, HDMI, DVI-D</li> <li>■ 3 * Audio jacks</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>■ 1 * USB headers for 2 * USB 2.0 ports</li> <li>■ 24-bit dual channel LVDS&lt; AT/ATX power switch mode</li> <li>■ 2 * Serial headers (1 * RS232, 1 * RS232/422/485)</li> <li>■ Chassis Intrusion header, PS/2 KB/MS header, SMBUS header, 8bit GPIO</li> <li>■ 24-pin ATX + 4-pin ATX_12V power connectors</li> </ul>
<b>BIOS</b>	■ AMI 128MB Flash ROM
<b>Box Contents</b>	■ NF594 Motherboard, SATA Cable, Serial Cable, Manual, DVD Driver Disk, I/O Shield
<b>Certification</b>	■ CE, FCC, RoHS, ErP/EuP, REACH
<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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