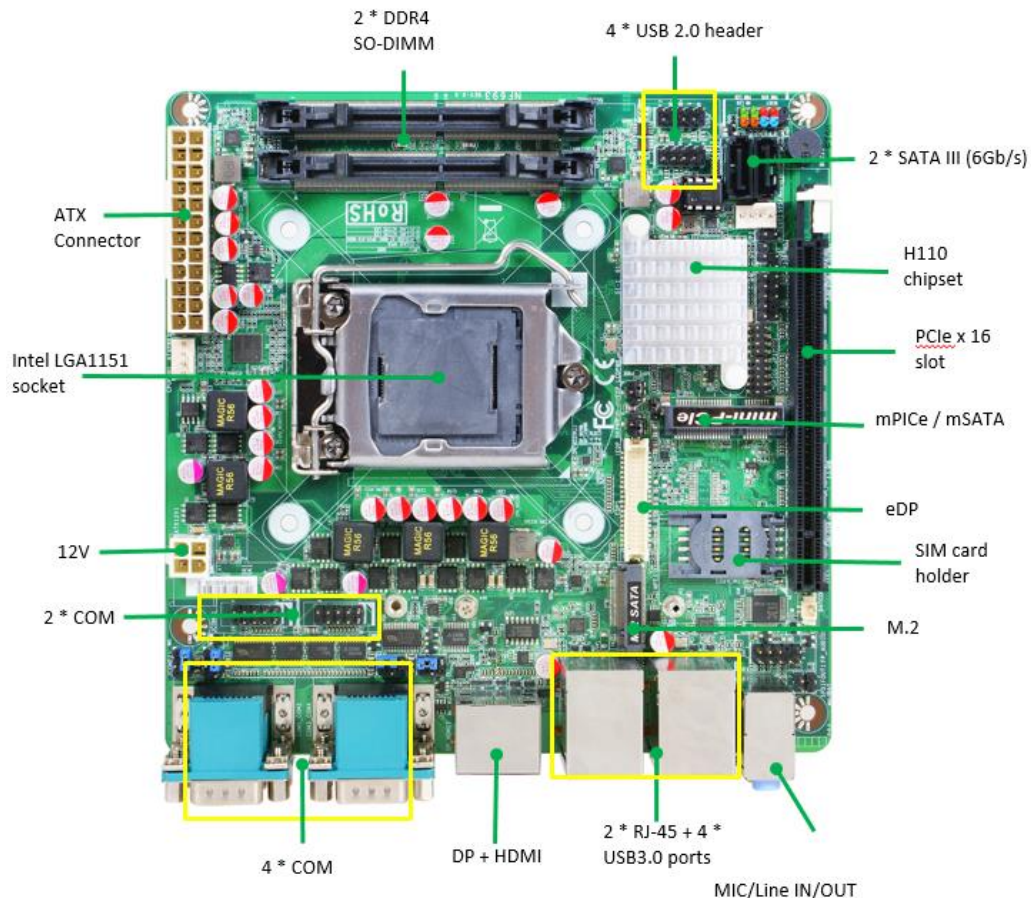
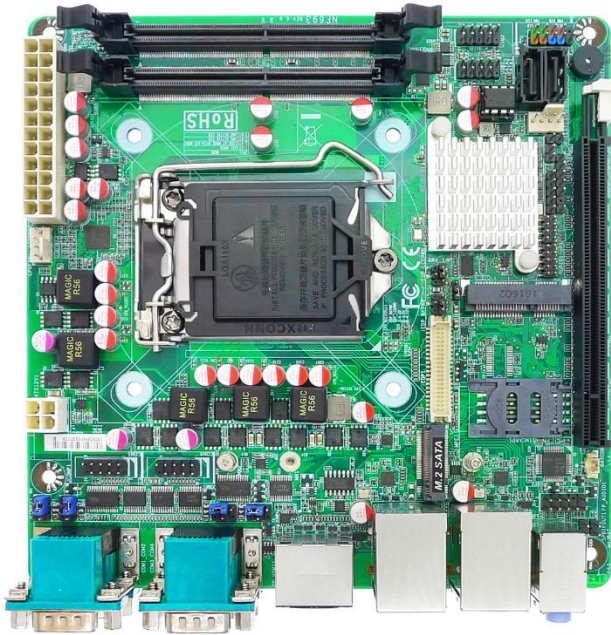


NF693

Mini-ITX Industrial Motherboard / 4 EXT COM LGA1151 / 2 GbE / DP+HDMI+eDP 4K

Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q3'2030
2. Supports Intel 6th & 7th Gen Core i3, i5, i7 Processor, LGA1151, Skylake/Kaby Lake Platform, Intel H110 Express
3. Supports DDR4-2133 SODIMM up to 32GB Total
4. 2 * Gigabit LAN, up to 2 Displays: DisplayPort, HDMI, eDP
5. 2 * SATA3 6Gb/s Ports, M.2 SATA 2242/2260
6. 1 * Full-size mSATA/mini-PCIe slot, SIM Card Holder
7. 1 * PCI Express x16, 4 * USB 3.0, 4 * USB 2.0, HD Audio
8. 6* Serial Ports, Watchdog Timer, AT/ATX Power Switch Mode
9. ATX Power, Compatible with Windows 8.1, 10, Linux
10. (onboard TPM IC optional)
11. Mini-ITX Form Factor (170mm x 170mm)



| | |
|------------------------|---|
| Model / Series | <ul style="list-style-type: none"> NF693 |
| Part No | <ul style="list-style-type: none"> JNF693-H110 JNF693T-H110 (with Nuvoton TPM v1.2 NPCT620A) |
| Processor | <ul style="list-style-type: none"> Support 6th & 7th Gen Intel Core i3, i5, i7 Processors, Socket LGA1151, Skylake/Kaby Lake |
| Chipset | <ul style="list-style-type: none"> Intel H110 Express |
| Video | <ul style="list-style-type: none"> Intel HD Graphics in processor |
| Memory | <ul style="list-style-type: none"> 2 * 260-pin SO-DIMM slots supporting DDR4-2133 up to 32GB total |
| Expansion Slots | <ul style="list-style-type: none"> 1 * PCI Express 2.0 x16 |
| Storage | <ul style="list-style-type: none"> 2 * SATA3 6Gb/s ports 1 * M.2 SATA M-key, 2242/2260, 1 * Full-size mSATA/mini-PCIE shared slot, SIM card holder |
| Audio | <ul style="list-style-type: none"> Realtek ALC662 HD audio |
| Network | <ul style="list-style-type: none"> 2 * Realtek RTL8111G Gigabit LAN |
| Other Features | <ul style="list-style-type: none"> Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Intel TPM 2.0 Trusted Computing |
| Rear Panel I/O | <ul style="list-style-type: none"> 4 * USB 3.0 ports 2 * RJ-45 ports, 4 * Serial (3 * RS232, 1 * RS232/422/485) DisplayPort (4096x2304 @60Hz) HDMI (3840x2160 @24Hz) Line-out, Line-in, Microphone jacks |
| Internal I/O | <ul style="list-style-type: none"> 2 * USB headers for 4 * USB 2.0 ports eDP (4096x2304 @60Hz), AT/ATX power switch mode 2 * Serial headers (1 * RS232, 1 * RS232/422/485) Chassis Intrusion header, PS/2 KB/MS header, SMBUS header, 8bit GPIO 24-pin ATX + 4-pin ATX_12V power power connectors (Option for onboard TPM IC) |
| BIOS | <ul style="list-style-type: none"> AMI 64MB Flash ROM |
| Box Contents | <ul style="list-style-type: none"> NF693 Motherboard, SATA Cable, Serial Cable, Manual, DVD Driver Disk, I/O Shield |
| Certification | <ul style="list-style-type: none"> CE, FCC, RoHS, ErP/EuP, REACH |
| Temperature | <ul style="list-style-type: none"> Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C |
| Form Factor | <ul style="list-style-type: none"> Mini-ITX Form Factor (170mm x 170mm) |
| Warranty | <ul style="list-style-type: none"> 2 Years Limited Warranty |

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



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