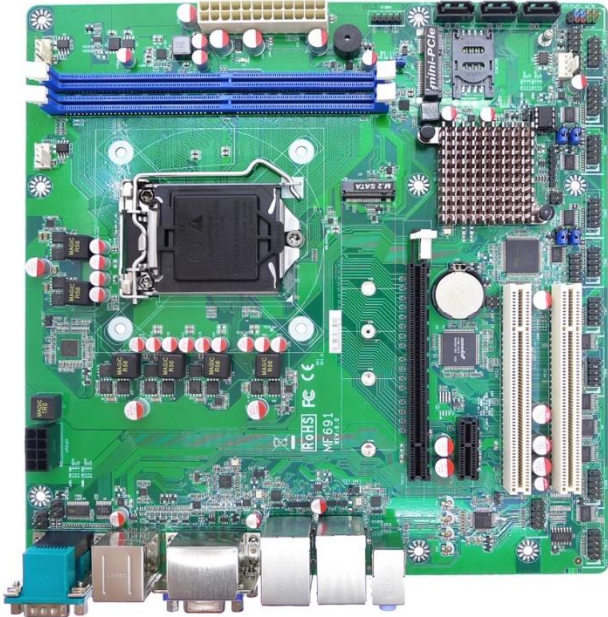


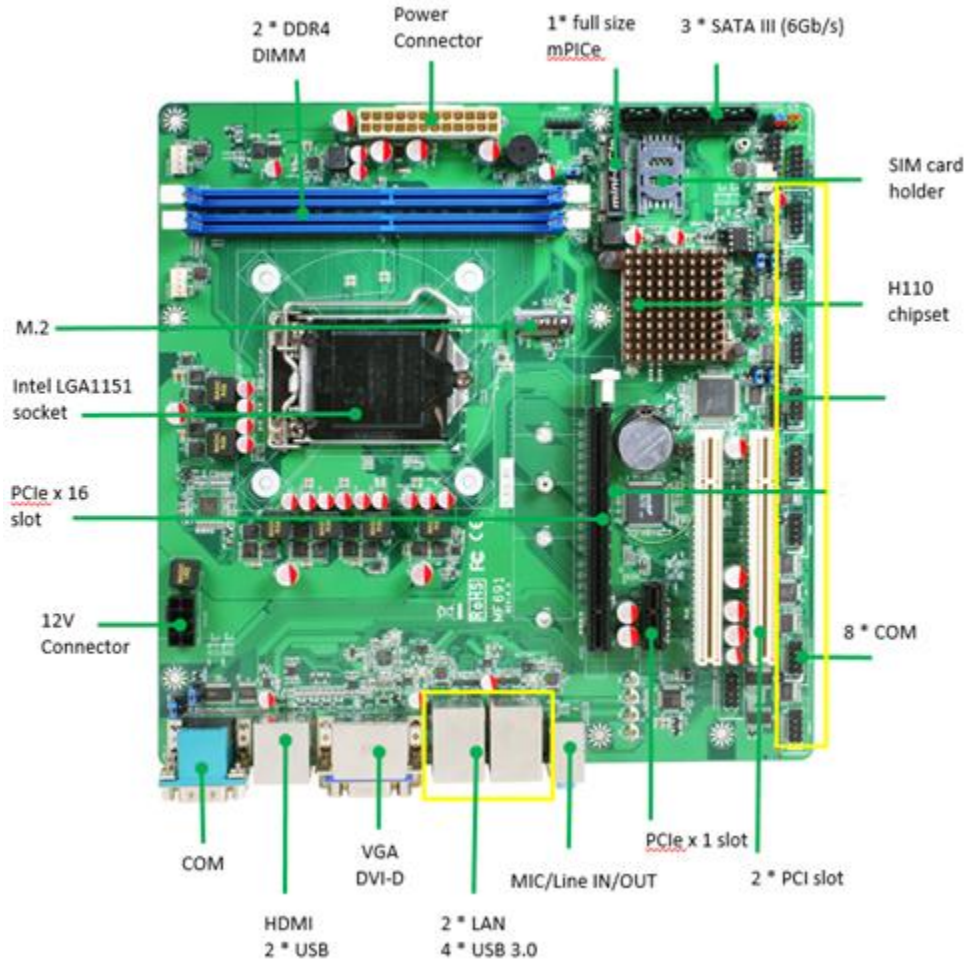
NMF691

Micro ATX Industrial Motherboard LGA1151 / 2 GbE / HDMI, DVI, VGA / M.2 SATA



Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q3'2022
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: HDMI, DVI-D, VGA
5. 3 * SATA3 6Gb/s Ports, M.2 SATA 2242/60/80/110
6. 1 * Full-size mini-PCIe slot, SIM Card Holder
7. 1 * PCIe x16, 1 * PCIe x1, 2 * PCI Slots
8. 4 * USB 3.0, 5 * USB 2.0, HD Audio
9. 10* Serial Ports, Watchdog Timer, AT/ATX Power Mode
10. ATX Power, Compatible with Windows 7, 8.1, 10, Linux
11. (onboard TPM IC optional)
12. Micro ATX Form Factor (244mm x 244mm)



Model / Series	<ul style="list-style-type: none"> NMF691
Part No	<ul style="list-style-type: none"> JNMF691-H110 JNMF691T-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 * 288-pin DIMM slots supporting DDR4-2133 up to 32GB total
Expansion Slots	<ul style="list-style-type: none"> 1 * PCI Express 2.0 x16, 1 * PCI Express 2.0 x1, 2 * 32bit PCI 1 * Full-size Mini-PCIE slot, SIM card holder
Storage	<ul style="list-style-type: none"> 3 * SATA3 6Gb/s ports 1 * M.2 SATA M-key, 2242/2260/2280/22110
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 * USB 2.0 ports 2 * RJ-45 ports, 2 * Serial (1 * RS232, 1 * RS232/422/485) HDMI (3840x2160 @24Hz), DVI-D (1920x1200 @60Hz), VGA (1920x1200 @60Hz) Line-out, Line-in, Microphone jacks
Internal I/O	<ul style="list-style-type: none"> 2 * USB headers for 3 * USB 2.0 ports 8 * Serial headers (8 * RS232), AT/ATX power switch mode Chassis Intrusion header, PS/2 KB/MS header, SMBUS header, 8bit GPIO 24-pin ATX + 8-pin ATX_12V power power connectors (Option for onboard Nuvoton TPM v1.2 (NPCT620A) or v2.0 (NPCT650) hardware IC)
BIOS	<ul style="list-style-type: none"> AMI 64MB Flash ROM
Box Contents	<ul style="list-style-type: none"> NMF691 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"> Micro ATX Form Factor (244mm x 244mm)
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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