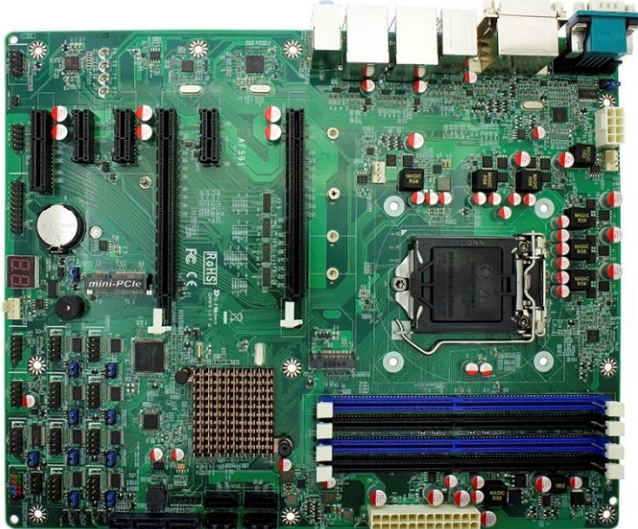


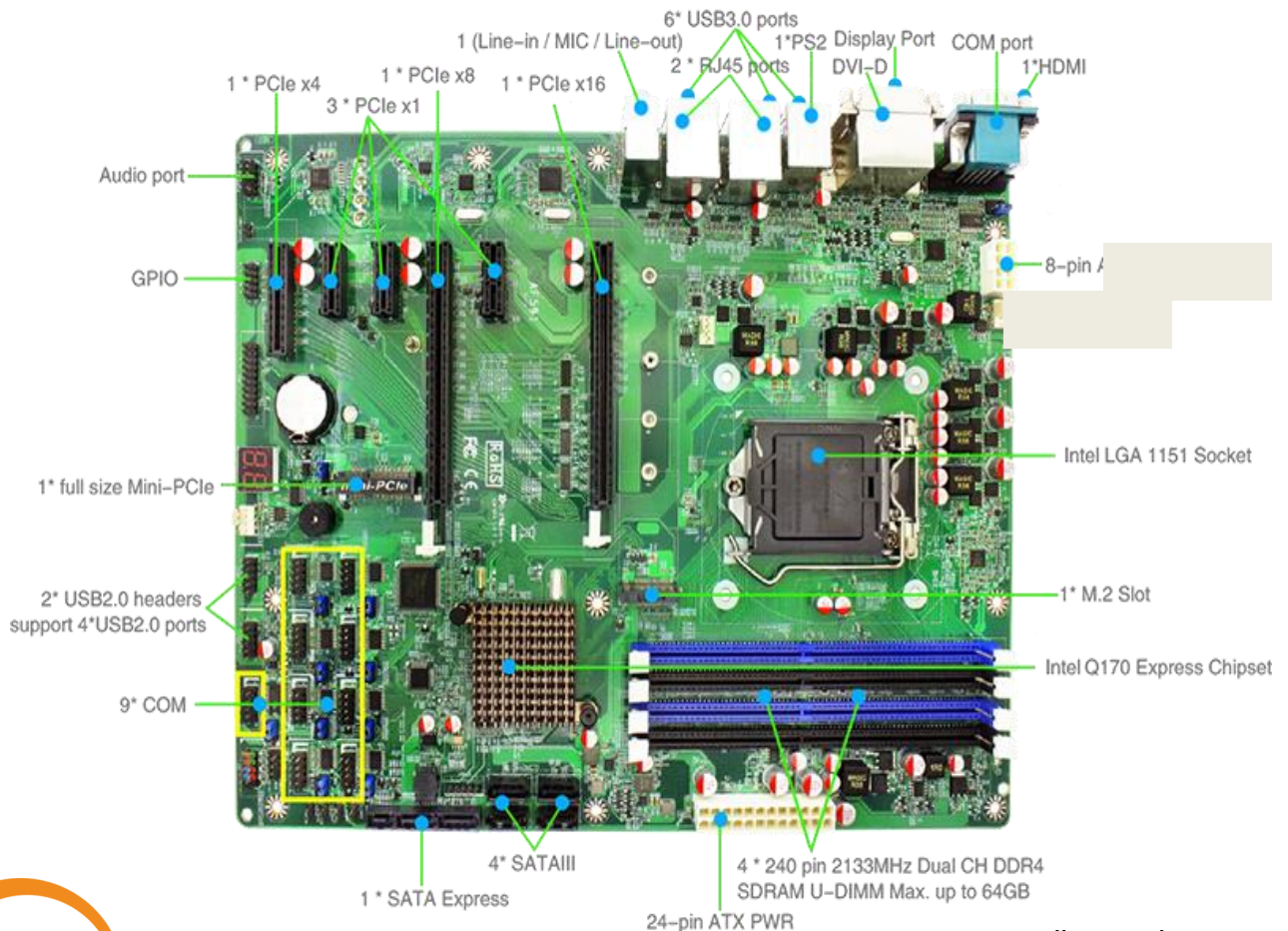
NAF591-Q170

ATX Industrial Motherboard LGA1150
Skylake / 2 Intel GbE / 10 COM / M.2 / 4K



Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q4'2020
2. Socket LGA1151 Supporting 6th Generation Intel Core i3, i5, i7 Processors (Skylake), Intel Q170 Express Chipset
3. Supports up to Three Independent Displays, HDMI 2.0, DVI, DisplayPort 1.2, 4K Supported
4. Supports DDR4-2133 UDIMM up to 64GB Total
5. 4 * SATA3 6Gb/s, 1 * SATA Express supporting RAID
6. 1 * M.2 SATA+PCIE x4 Slot 2242/2260/2280/22110
7. 1 * Full-size mini-PCIE slot
8. 2 * Intel Gigabit LAN, Intel iAMT 11.0 Support
9. PCIE x16, PCIE x16(x8), 3 * PCIE x1, PCIE x4, Mini-PCIE
10. 10 * Serial Ports, TPM 2.0 Header, Watchdog Timer
11. Compatible with Windows 7, 8.1, 10, Linux
12. ATX Form Factor (305mm x 244mm)



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Model / Series	■ NAF591
Part No	■ JNAF591-Q170
Processor	■ Socket LGA1151, Supports 6th Gen Intel Core i3, i5, i7 processors (Skylake)
Chipset	■ Intel Q170 Express Chipset
Video	■ Intel HD Graphics in processor
Memory	■ 4 * 288-pin UDIMM slots supporting dual channel DDR4-2133 up to 64GB total
Expansion Slots	■ 1 * PCI Express x16, 1 * PCI Express x16 (x8 bandwidth), 1 * PCI Express x4, 3 * PCI Express x1, 1 * Mini-PCI Express slot (full-size)
Storage	■ 4 * SATA3 6Gb/s ports, 1 * SATA Express port, supports RAID 0, 1, 5, 10, JBOD ■ 1 * M.2 slot (SATA + PCIE 3.0 x4, M-key, 2242/2260/2280/22110)
Audio	■ Realtek ALC662 5.1 Channel HD Audio
Network	■ 1 * Intel I211-AT Gigabit LAN, 1 * Intel I219-LM Gigabit LAN supporting iAMT 11.0, vPRO
Other Features	■ Support ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec
Rear Panel I/O	■ 6 * USB 3.0 ports, 2 * RJ-45 ports ■ 1 * Serial port (RS232/422/485), 1 * PS/2 KB/MS combo port ■ 1 * HDMI 2.0 (Max 4096*2160@60Hz) ■ 1 * DisplayPort 1.2 (Max 4096*2304@60Hz) ■ 1 * DVI-D (Max 1920*1080@60Hz) ■ 3 * Audio jacks (Line In, Line Out, Mic In)
Internal I/O	■ 2 * USB header for 4 * USB 2.0 ports ■ 4-pin CPU Fan connector, 2 * 4-pin SYSFAN connectors, AT/ATX power switch mode header ■ 9 * Serial port headers (8 * RS232, 1 * RS232/422/485), 2-digit Debug LED ■ 8-bit GPIO, TPM 2.0 header, Chassis Intrusion header, SMBUS header ■ 24-pin ATX and 8-pin ATX_12V Power connectors
BIOS	■ AMI UEFI 128MB SMT Flash ROM
Box Contents	■ NAF591 Motherboard, SATA Cables, COM Cables, Manual, DVD Driver Disk, I/O Shield
Certification	■ CE, FCC, RoHS, ErP/EuP
Temperature	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	■ ATX Form Factor (305mm x 244mm)
Warranty	■ 2 Years Limited Warranty

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



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