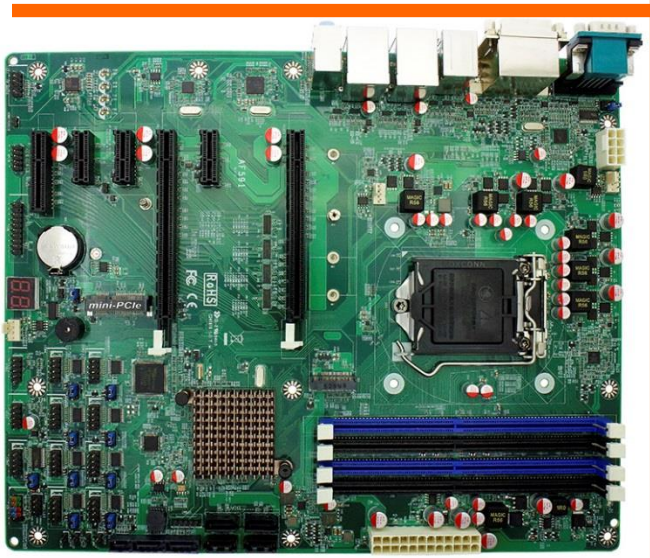
NAF591-Q170

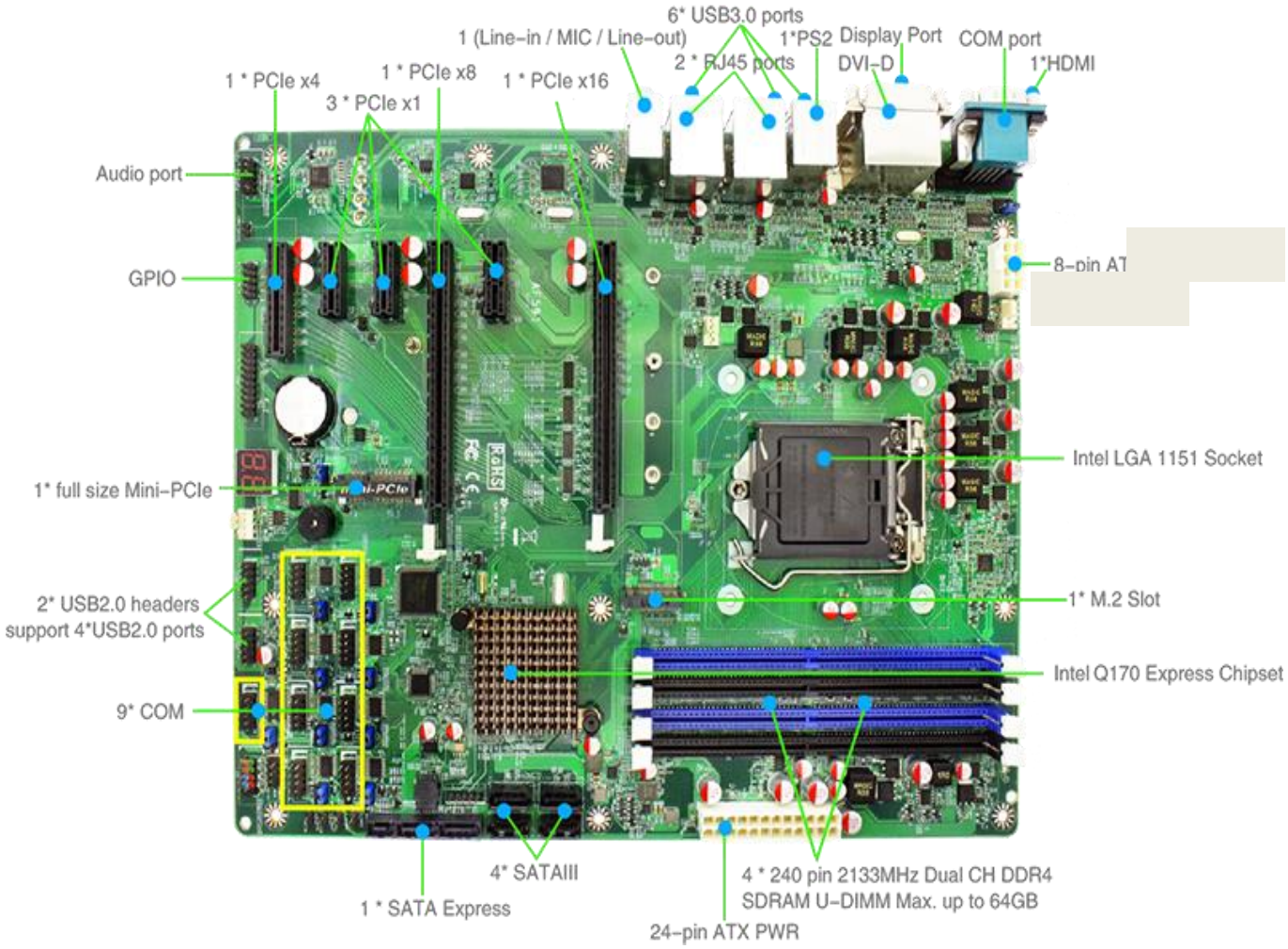
ATX Industrial Motherboard LGA1150 Skylake / 2 Intel GbE / 10 COM / M.2 / 4K





Features

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



Model / Series	■ NAF591
Part No	■ JNAF591-Q170
Processor	■ Socket LGA1151, Supports 6/7th Gen Intel 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, supports RAID 0, 1, 5, 10 , JBOD ■ 1 * M.2 slot (SATA or PCIE 3.0 x4, M-key, 2242/2260/2280/22110)
Audio	■ Realtek 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 ■ Intel TPM 2.0 Trusted Computing
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 1.4 (4K @24Hz) ■ 1 * DisplayPort 1.2 (4K @60Hz) ■ 1 * DVI-D ■ 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 1.2 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, 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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