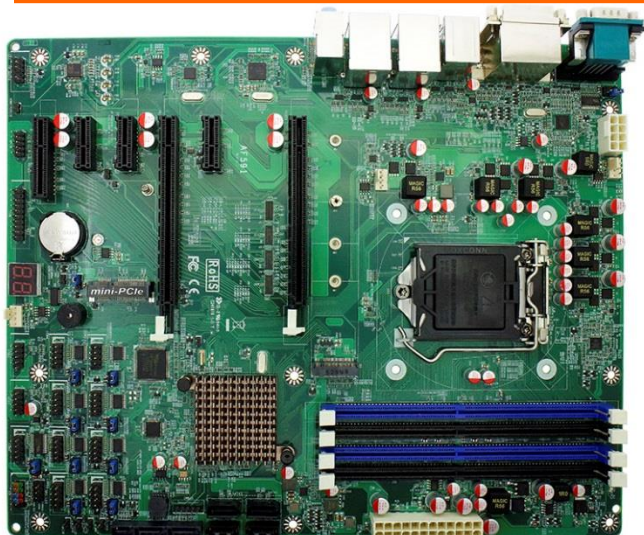


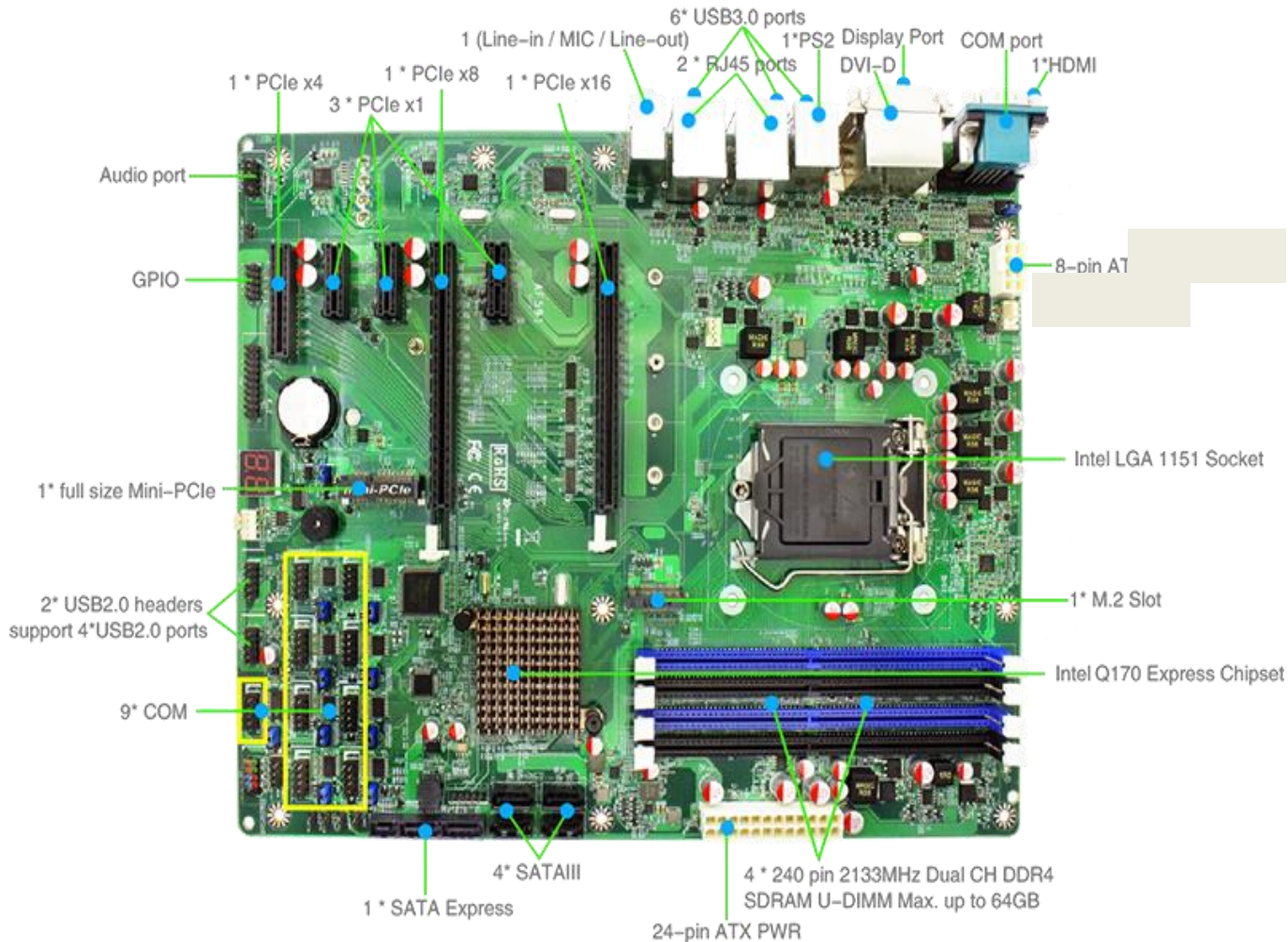
# NAF591-Q170

## 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 Q3'2030
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, 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 7, 8.1, 10, Linux
11. ATX Form Factor (305mm x 244mm)



<b>Model / Series</b>	■ NAF591
<b>Part No</b>	■ JNAF591-Q170
<b>Processor</b>	■ Socket LGA1151, Supports 6th Gen Intel Core i3, i5, i7 processors (Skylake)
<b>Chipset</b>	■ Intel Q170 Express Chipset
<b>Video</b>	■ Intel HD Graphics in processor
<b>Memory</b>	■ 4 * 288-pin UDIMM slots supporting dual channel DDR4-2133 up to 64GB total
<b>Expansion Slots</b>	■ 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)
<b>Storage</b>	■ 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)
<b>Audio</b>	■ Realtek ALC662 5.1 Channel HD Audio
<b>Network</b>	■ 1 * Intel I211-AT Gigabit LAN, 1 * Intel I219-LM Gigabit LAN supporting iAMT 11.0, vPRO
<b>Other Features</b>	■ Support ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec ■ Intel TPM 2.0 Trusted Computing
<b>Rear Panel I/O</b>	■ 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)
<b>Internal I/O</b>	■ 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
<b>BIOS</b>	■ AMI UEFI 128MB SMT Flash ROM
<b>Box Contents</b>	■ NAF591 Motherboard, SATA Cables, COM Cables, Manual, DVD Driver Disk, I/O Shield
<b>Certification</b>	■ CE, FCC, RoHS, ErP/EuP
<b>Temperature</b>	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
<b>Form Factor</b>	■ ATX Form Factor (305mm x 244mm)
<b>Warranty</b>	■ 2 Years Limited Warranty

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



**Jetway Computer Corporation**  
**Phone: 510-857-0130 Fax: 510-857-0138**  
**8058 Central Ave., Newark, CA 94560**  
**www.jetwaycomputer.com**

