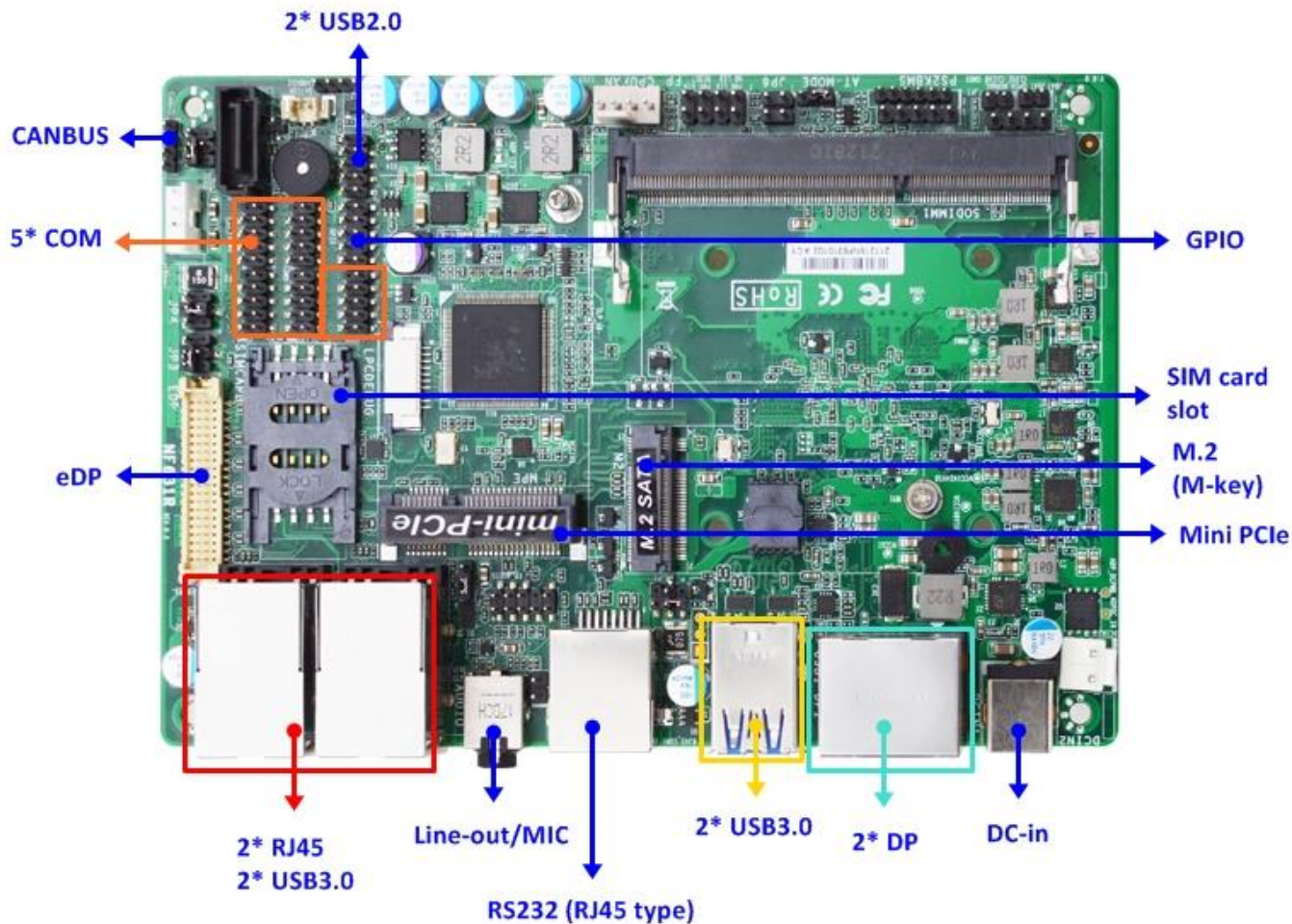
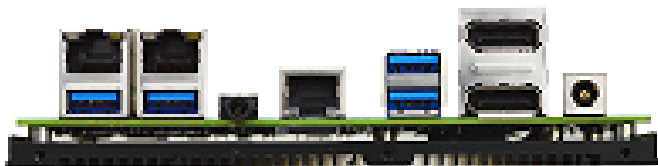


# NF631R

## 3.5" SBC Apollo Lake Industrial Motherboard 2 LAN / 4K 2\*DP/eDP / 6 COM / Canbus / 12V

### Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q3'2031
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Intel Celeron J3455 Quad-Core SOC Processors
4. Supports DDR3L-1866 SODIMM up to 8GB Total
5. 2 \* DisplayPort 4K @60Hz, eDP 4K @60Hz
6. 2 \* Realtek RTL8119I Gigabit LAN
7. 1 \* SATA3 6Gb/s, 1 \* M.2 SATA 2242, 1 \* Micro SD Slot
8. 1 \* Full-size Mini-PCIE Slot, SIM Card Holder
9. 4 \* USB 3.0 Ports, 2 \* USB 2.0 Ports, Canbus
10. 6 \* Serial Ports, 8-bit GPIO, Watchdog Timer
11. 12V DC-In Jack or 2-pin Alternate internal Connector
12. 3.5" SBC Form Factor (148mm x 102mm)



<b>Model / Series</b>	■ NF631R
<b>Part No</b>	■ JNF631R-3455, JNF631R-4200
<b>Processor</b>	■ Intel Celeron J3455 Quad-core SoC ■ *Ships with black finned heatsink for bench testing
<b>Chipset</b>	■ SoC
<b>Video</b>	■ Intel HD Graphics
<b>Memory</b>	■ 1 * 204-pin SO-DIMM slot supporting DDR3L-1866 up to 8GB total, 1.35V required
<b>Expansion Slots</b>	■ 1 * Full-size Mini-PCI Express slot, 3G SIM Card Holder
<b>Storage</b>	■ 1 * SATA3 6Gb/s port, 1 * M.2 SATA M-key 2242 length only ■ 1 * Micro SD slot
<b>Audio</b>	■ Realtek HD audio
<b>Network</b>	■ 2 * Realtek RTL8119I Gigabit LAN
<b>Other Features</b>	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec
<b>Rear Panel I/O</b>	■ 4 * USB 3.0 ports ■ 2 * RJ-45 LAN ports, 1 * RJ-45 Serial port (RS232) ■ 2 * DisplayPort 4K @60Hz ■ Line-out & Mic combo jack ■ +12V DC-in jack (2.5mm ID/5.5mm OD)
<b>Front Panel I/O</b>	■ None
<b>Internal I/O</b>	■ 1 * USB Header for 2 * USB 2.0 ports, 4-pin Canbus ■ 5 * Serial port headers (4 * RS232, 1 * RS232/422/485) ■ 1 * PS2 KB/MS combo header, SMBus/I2C header, eDP 4K @60Hz ■ 8-bit GPIO header, AT/ATX power switch mode jumper ■ 2-pin 12V Alternative power connector
<b>BIOS</b>	■ AMI 128Mb Flash ROM
<b>Box Contents</b>	■ NF631R Motherboard
<b>Certification</b>	■ CE, FCC, RoHS, ErP
<b>Temperature</b>	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
<b>Form Factor</b>	■ 3.5" SBC Form Factor (148mm x 102mm)
<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**

