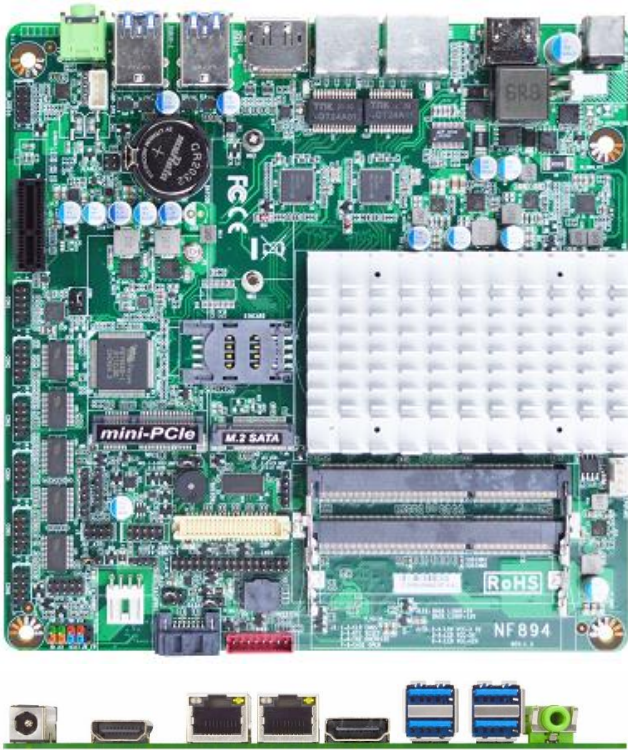


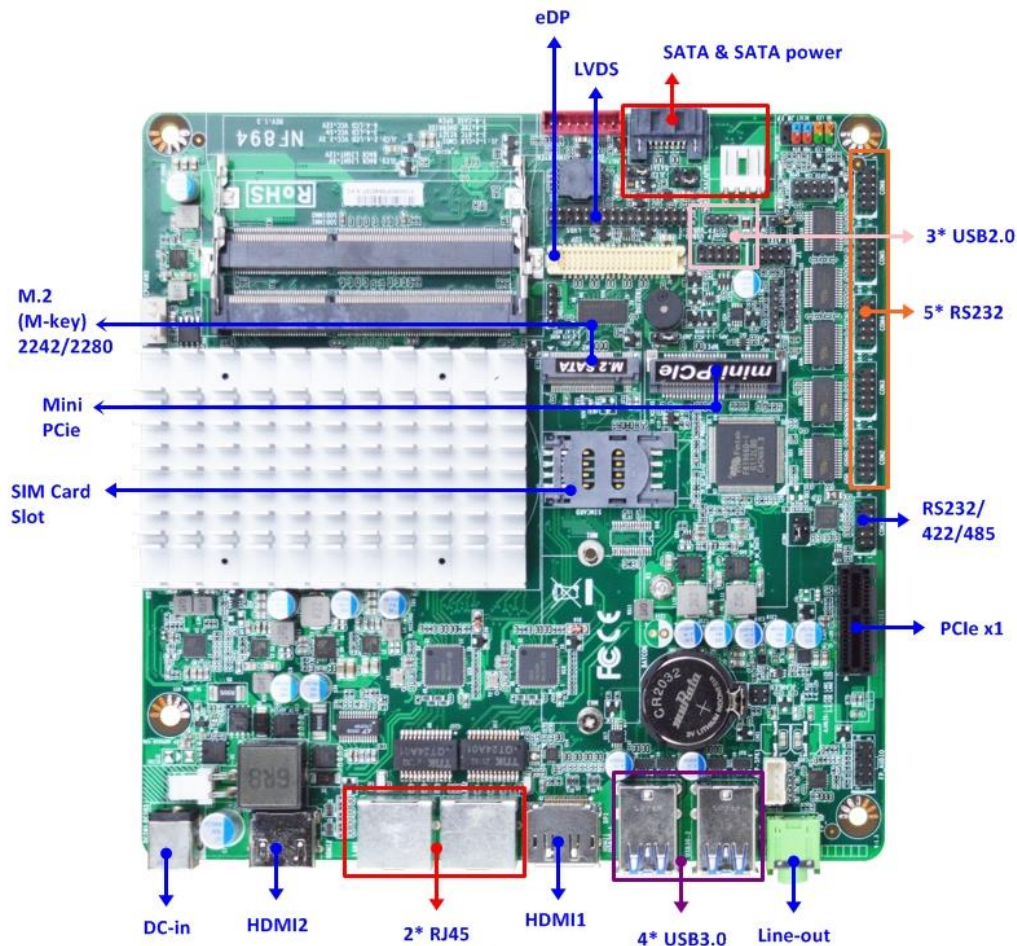
# NF894V

## Thin Mini-ITX Industrial Motherboard / Apollo Lake 2 HDMI / eDP/LVDS / 2 2.5GBE / 9 - 36V



### Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q3'2031
2. Intel Celeron J3455 Quad-Core, Apollo Lake Platform
3. 2 \* DDR3L-1866 SODIMM slots supporting up to 8GB Total
4. 2 \* Intel 2.5GbE, HD Audio
5. Up to 3 Displays: 2 \* HDMI, eDP or LVDS
6. 1 \* SATA3 6Gb/s Ports, 1 \* M.2 SATA 2242/2280
7. 1 \* Full-size Mini-PCIE slot, SIM Card Holder, PCIE x1 Slot
8. 4 \* USB 3.0, 3 \* USB 2.0, GPIO, Chassis Intrusion, SMBus
9. 6 \* Serial Ports, Watchdog Timer, AT/ATX Power Mode
10. 9 - 36V DC-in or 2-pin Alternate Internal Power Connector
11. Compatible with Windows 10 64bit, UEFI Linux
12. Thin Mini-ITX Form Factor (170mm x 170mm)



|                        |   |
|------------------------|---|
| <b>Model / Series</b>  | <ul style="list-style-type: none"> <li>NF894V</li> </ul>  |
| <b>Part No</b>         | <ul style="list-style-type: none"> <li>JNF894V-3455</li> <li>JNF894V64-3455 (64GB EMMC)</li> </ul>  |
| <b>Processor</b>       | <ul style="list-style-type: none"> <li>Intel Celeron J3455 Quad-Core, Apollo Lake Platform</li> </ul>   |
| <b>Chipset</b>         | <ul style="list-style-type: none"> <li>SoC</li> </ul>   |
| <b>Video</b>           | <ul style="list-style-type: none"> <li>Intel HD Graphics</li> </ul>   |
| <b>Memory</b>          | <ul style="list-style-type: none"> <li>2 * 204-pin SO-DIMM slots supporting DDR3L-1866 up to 8GB total, 1.35V Required</li> </ul>   |
| <b>Expansion Slots</b> | <ul style="list-style-type: none"> <li>PCI Express 2.0 x1</li> <li>1 * Full-size Mini-PCIE slot with SIM Card Holder</li> </ul>   |
| <b>Storage</b>         | <ul style="list-style-type: none"> <li>1 * SATA3 6Gb/s port</li> <li>1 * M.2 SATA M-key 2242/2280</li> <li>Optional 32GB/64GB eMMC</li> </ul>   |
| <b>Audio</b>           | <ul style="list-style-type: none"> <li>Realtek ALC888S HD audio, 3W Amplifier (L + R)</li> </ul>  |
| <b>Network</b>         | <ul style="list-style-type: none"> <li>2 * Intel i225/i226-LM 2.5GbE LAN</li> </ul>   |
| <b>Other Features</b>  | <ul style="list-style-type: none"> <li>Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec., TPM optional</li> </ul>  |
| <b>Rear Panel I/O</b>  | <ul style="list-style-type: none"> <li>4 * USB 3.0, 2 * RJ-45 port</li> <li>2 * HDMI 1.4 (4K @24Hz)</li> <li>Line-out, 9V - 36V DC-in</li> </ul>  |
| <b>Internal I/O</b>    | <ul style="list-style-type: none"> <li>2 * USB headers for 3 * USB 2.0 ports (2.00mm pitch)</li> <li>eDP/LVDS (select one), AT/ATX power switch mode</li> <li>6 * Serial headers (2.0mm pitch, 5 * RS232, 1 * RS232/422/485)</li> <li>Chassis Intrusion header, PS/2 KB/MS header, 8bit GPIO, SMBus</li> <li>2-pin 9V - 36V Alternate internal power connector</li> <li>Optional onboard TPM 2.0</li> </ul> |
| <b>BIOS</b>            | <ul style="list-style-type: none"> <li>AMI Flash ROM</li> </ul>   |
| <b>Box Contents</b>    | <ul style="list-style-type: none"> <li>NF894V Motherboard, I/O Shield</li> </ul>  |
| <b>Certification</b>   | <ul style="list-style-type: none"> <li>CE, FCC, RoHS, ErP/EuP, REACH</li> </ul>   |
| <b>Temperature</b>     | <ul style="list-style-type: none"> <li>Operating Temperature 0~60 ° C</li> <li>Storage Temperature -20-85 ° C</li> </ul>  |
| <b>Form Factor</b>     | <ul style="list-style-type: none"> <li>Thin Mini-ITX Form Factor (170mm x 170mm)</li> </ul>   |
| <b>Warranty</b>        | <ul style="list-style-type: none"> <li>2 Years Limited Warranty</li> </ul>  |

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



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