

# JW-NF731

## 3.5" SBC Apollo Lake Networking Motherboard 4 Intel LAN / 2 COM / HDMI Header / 12V



### Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q3'2030
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems, includes Heatsink for Direct Mounting
3. Intel Celeron Skylake-U/Kaby Lake-U SoC Processors, 15W
4. Supports DDR4-2133 SODIMM up to 16GB Total
5. 4 \* Intel Gigabit LAN
6. 1 \* SATA3 6Gb/s, 1 \* Full-size mSATA
7. 2 \* Mini-PCIE (1 \* Full-size, 1 \* Half-size), SIM Card Holder
8. 2 \* USB 3.0 Ports, 3 \* USB 2.0 Ports
9. 2 \* Serial Ports, 8-bit GPIO, Watchdog Timer
10. 12V DC-In Locking Jack or 2-pin Alternate internal Connector
11. 3.5" SBC Form Factor (148mm x 102mm)

Ships with flat aluminum heatsink for attaching directly to chassis or other surface for heat dissipation.



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<b>Model / Series</b>	■ NF731
<b>Part No</b>	■ JNF731-3855, JNF731-3865. JNF731-3955, JNF731-3965
<b>Processor</b>	<ul style="list-style-type: none"> <li>■ Intel Celeron 3855U, 3865U SoC Processors, 15W TDP (non-embedded)</li> <li>■ Intel Celeron 3955U, 3965U SoC Processors, 15W TDP (embedded)</li> <li>■ *Ships with flat aluminum heatsink for attaching directly to chassis for heat dissipation</li> </ul>
<b>Chipset</b>	■ SoC
<b>Video</b>	■ 3855U/3955U: Intel HD Graphics 510, 3865U/3965U: Intel HD Graphics 610, 300-900MHz
<b>Memory</b>	■ 1 * 260-pin SO-DIMM slot supporting DDR4-2133 up to 16GB total
<b>Expansion Slots</b>	■ 1 * Full-size Mini-PCI Express slot, 1 * Half-size Mini-PCI Express slot , 1 * 3G SIM Card Holder
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ 1 * SATA3 6Gb/s port</li> <li>■ 1 * Full-size mSATA Slot</li> <li>■ OEM OPTION: onboard eMMC</li> </ul>
<b>Audio</b>	■ None
<b>Network</b>	■ 4 * Intel Gigabit LAN (3 * i211-AT, 1 * i219-LM)
<b>Other Features</b>	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>■ 2 * USB 3.0 ports</li> <li>■ 4 * RJ-45 LAN ports, 1 * Serial port (RS232)</li> <li>■ +12V DC-in locking jack (2.5mm ID/5.5mm OD)</li> </ul>
<b>Front Panel I/O</b>	■ None
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>■ 2 * USB Headers for 3 * USB 2.0 ports</li> <li>■ 1 * Serial port header (RS232/422/485)</li> <li>■ 1 * PS2 KB/MS combo header, SMBus/I2C header, HDMI header</li> <li>■ 8-bit GPIO header, AT/ATX power switch mode jumper, Chassis intrusion header</li> <li>■ 2-pin 12V Alternative power connector, OEM OPTION: Onboard TPM 1.2 or TPM 2.0</li> </ul>
<b>BIOS</b>	■ AMI 128Mb Flash ROM
<b>Box Contents</b>	■ NF731 Motherboard, Internal Power Cable, HDMI Cable, Manual, DVD Driver Disk
<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.

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