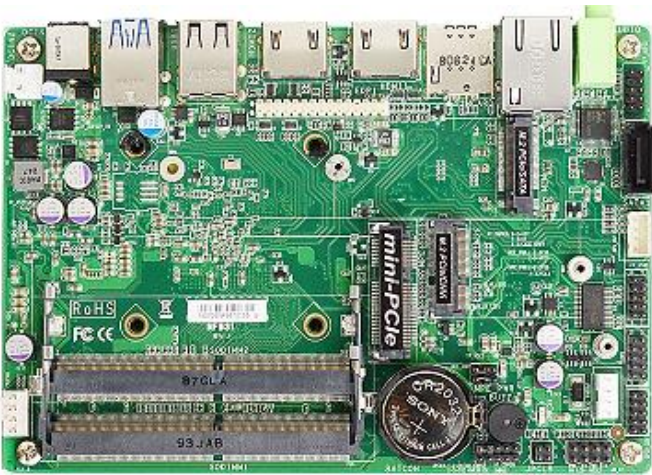


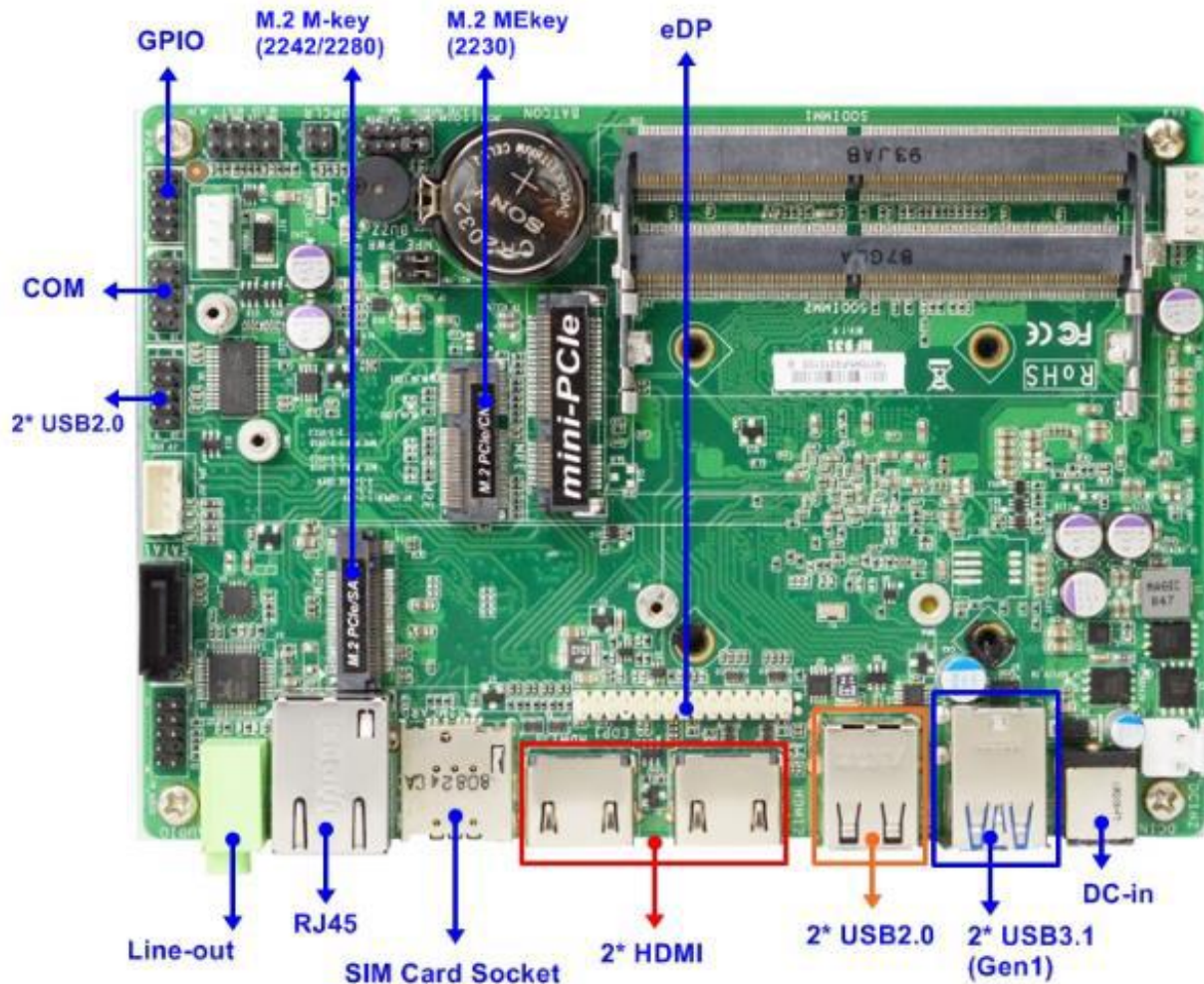
# NF931

## 3.5" Industrial Motherboard for Fanless Systems 2 HDMI 4K @60 / eDP / 2 \* M.2 / 32GB eMMC



### Features

1. Gemini Lake is a Non-embedded Platform with no Longevity Guarantee.
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Intel Celeron J4125 Quad-Core, SoC, 10W
4. Supports DDR4-2400 SODIMM up to 8GB Total
5. Supports up to 3 Display, 2 \* HDMI 4K @60, eDP
6. 32GB eMMC, 1 \* SATA3, 1 \* M.2 SATA & PCIE 2242/2280
7. 1 \* M.2 2230, 1 \* Full-size Mini-PCIE Slot with SIM Slot
8. Intel i211-AT Gigabit LAN, HD Audio, 2 \* USB 3.1 Gen1
9. 1 \* Serial Port Header, 8-bit GPIO, Watchdog Timer
10. 12V DC-In or 2-pin Alternative Internal Connector
11. 3.5" SBC Form Factor (148mm x 102mm)



<b>Model / Series</b>	<ul style="list-style-type: none"> <li>NF931</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>JNF931G32-4105 (no TPM, 32GB eMMC)</li> <li>JNF931G32-4125 (no TPM, 32GB eMMC)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>Intel Celeron J4105 SoC, Quad-Core, 10W / Intel Celeron J4125 SoC, Quad-Core, 10W</li> <li>*Ships with flat heatsink for direct attaching to a surface</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 * 260-pin SO-DIMM slots supporting DDR4-2400 up to 8GB total</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 * Full-size mini-PCI Express slot with SIM slot</li> <li>1 * M.2 E-key 2230 for WIFI</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>Onboard 32GB eMMC</li> <li>1 * SATA3 6Gb/s port</li> <li>1 * M.2 M-key SATA &amp; PCIE 3.0 x2 NVME 2242/2280</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Realtek ALC662 HD Audio</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>1 * Intel i211-AT Gigabit LAN</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Optional TPM</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>2 * USB 3.1 Gen1 ports, 2 * USB 2.0 ports</li> <li>1 * RJ-45 ports</li> <li>2 * HDMI (4096 x 2160 @60Hz)</li> <li>SIM card slot</li> <li>Line Out</li> <li>12V DC-in jack</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>1 * USB Header for 2 * USB 2.0 ports, 1 * Serial port header (RS232)</li> <li>eDP &amp; Inverter, 8-bit GPIO header</li> <li>AT/ATX power switch mode jumper</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>NF931 Motherboard, SATA Cable, Internal Power Cable</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>CE, FCC, RoHS, ErP</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating Temperature 0~40 ° C, Storage Temperature -20-85 ° C</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>3.5" SBC Form Factor (148mm x 102mm)</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.



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