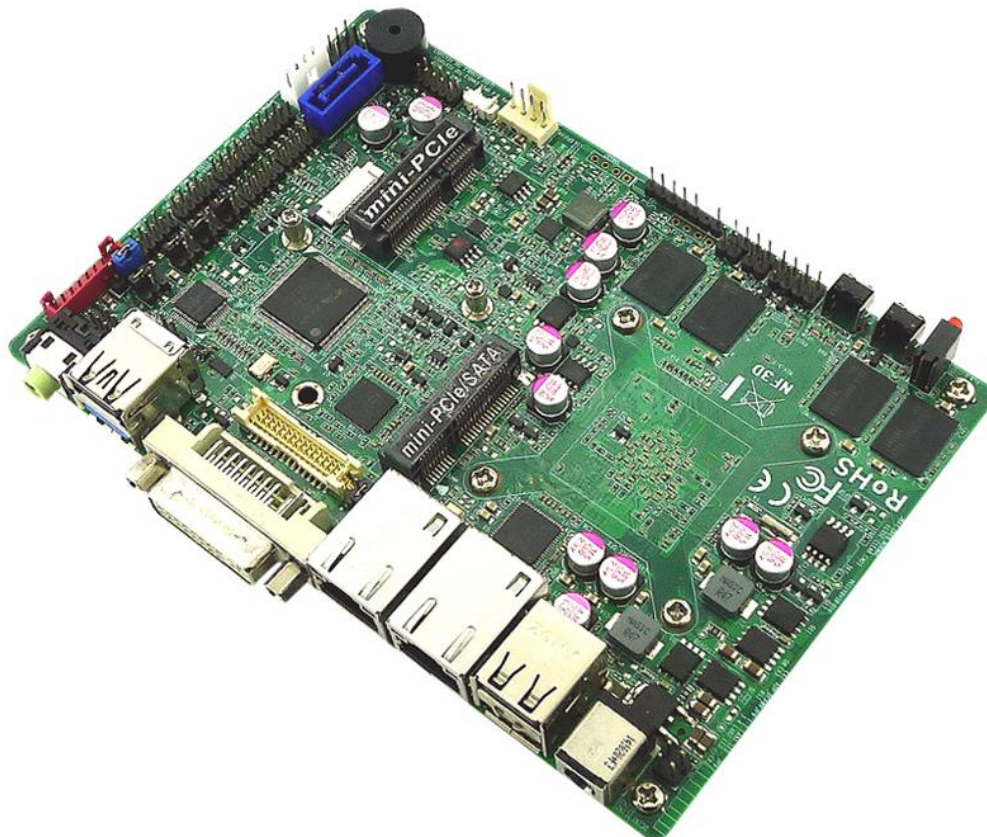
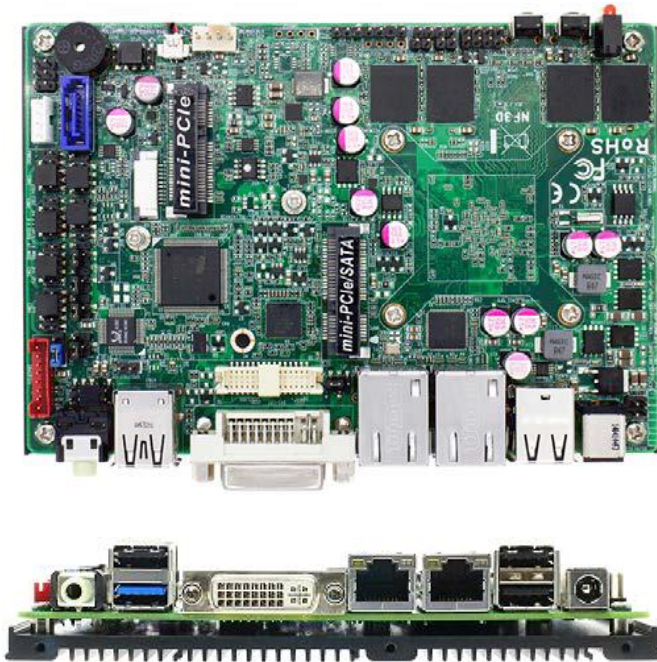


# NF3D432

**3.5" SBC Industrial Motherboard**  
**2 Intel LAN / 4GB DDR3L / 32GB eMMC / 9-24V**

## Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q1'2021
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Intel Celeron J1900 SoC, 2.0GHz, Quad-Core, 10W
4. Onboard 4GB DDR3L-1333 Memory
5. 2 \* Intel i211-AT Gigabit LAN
6. Onboard 32GB eMMC
7. 1 \* SATA2 3Gb/s Port, 1 \* mSATA/Mini-PCIE Shared Slot
8. 1 \* Half-size Mini-PCIE Slots
9. 1 \* USB 3.0 Port, 3 \* USB 2.0 Ports
10. 4 \* Serial Headers, 8-bit GPIO, Watchdog Timer
11. 9V - 24V DC-In Jack
12. 3.5" SBC Form Factor (148mm x 102mm)



<b>Model / Series</b>	<ul style="list-style-type: none"> <li>NF3D432</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>JNF3D432-1900 (4GB memory, 32GB eMMC)</li> <li>JNF3D416-1900 (4GB memory, 16GB eMMC) *Special Order Model</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>Intel Celeron J1900 SoC, 2.0GHz - 2.42GHz burst, Quad-Core, 10W TDP</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, 688 - 854MHz</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>Onboard 4GB DDR3L-1333, non-expandable</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 * Half-size Mini-PCI Express slot</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>32GB eMMC onboard</li> <li>1 * SATA2 3Gb/s port</li> <li>1 * Full-size mSATA/Mini-PCI Express shared slot</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>2 * 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</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>1 * USB 3.0 port, 3 * USB 2.0 ports</li> <li>2 * RJ-45 ports</li> <li>1 * DVI-I</li> <li>Line-out</li> <li>+9V - 24V DC-in jack (2.5mm ID/5.5mm OD)</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>Power Button, Reset Button, Power LED, HDD LED</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>2 * USB Headers for 4 * USB 2.0 ports</li> <li>4 * Serial port headers (3 * RS232, 1 * RS232/422/485)</li> <li>1 * PS2 KB/MS combo header, SMBus header, 24bit dual channel LVDS &amp; Inverter</li> <li>8-bit GPIO header, Chassis Intrusion Header, AT/ATX power switch mode jumper</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI 64MB SMT Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>NF3D432 Motherboard, Internal Power Cable, Manual, DVD Driver Disk</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 0~60 ° 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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