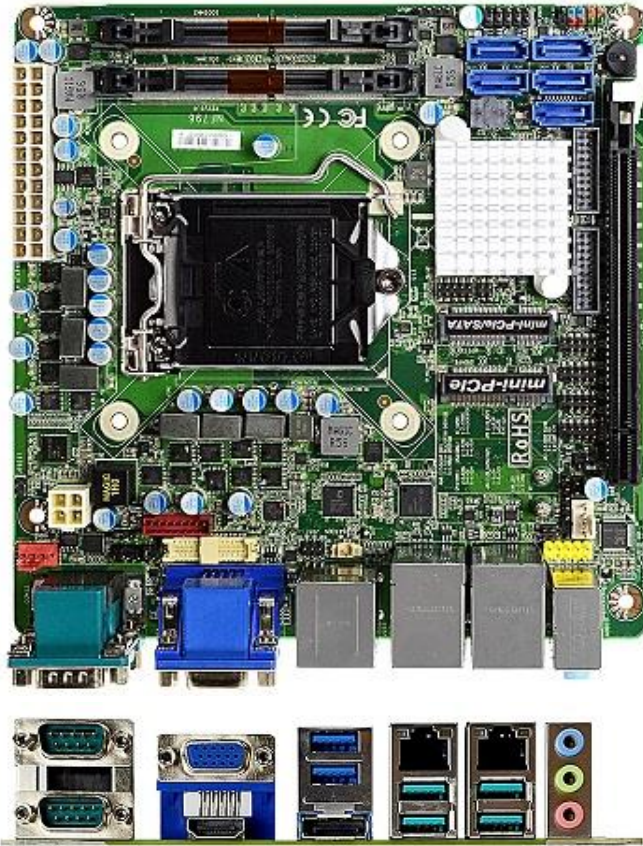


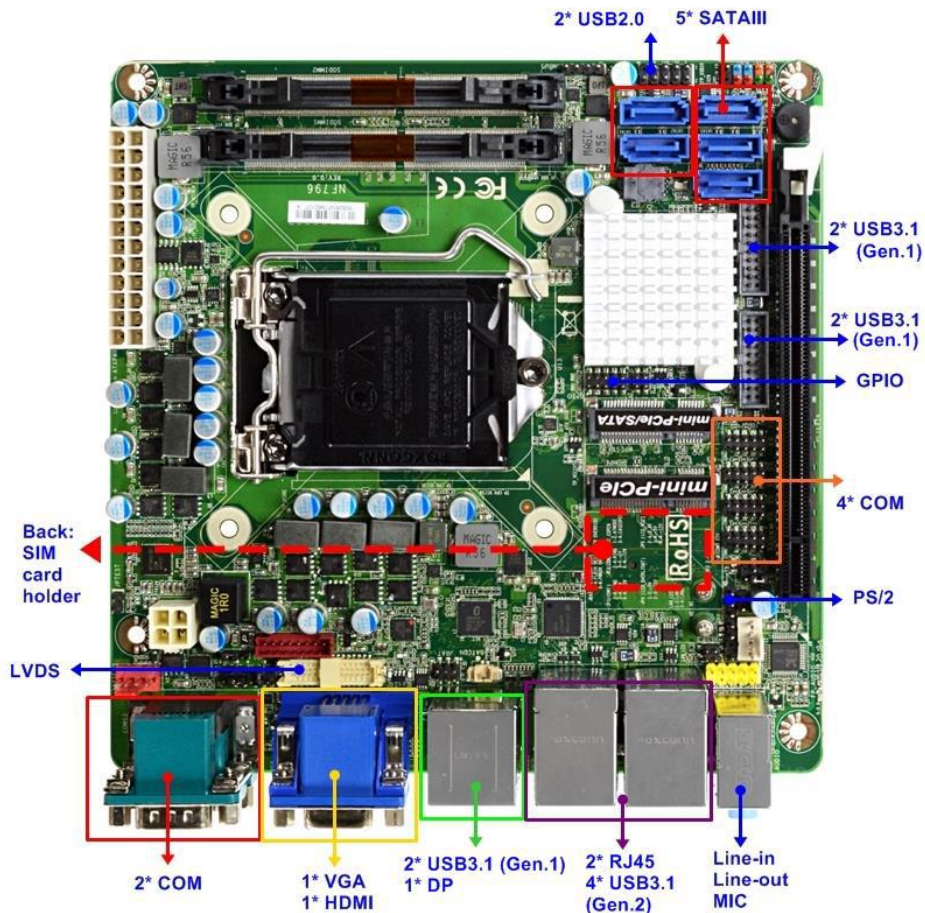
# NF796

## Mini-ITX Industrial Motherboard / DDR4 LGA1151 / 2 Intel LAN / SATA3 RAID / 9-24V



### Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q3'2033
2. Supports 8th/9th Gen Intel Core i3, i5, i7 Processors, LGA1151, Coffee Lake, Intel Q370 Express Chipset
3. Supports DDR4-2400 SODIMM up to 32GB Total
4. 2 \* Intel Gigabit LAN, 3 Displays DP, HDMI, VGA, LVDS
5. 5 \* SATA3 6Gb/s Ports Supporting RAID 0, 1, 5, 10, JBOD
6. 1 \* Full-size mSATA/mini-PCIE Shared Slot, HD Audio
7. 1 \* Half-size Mini-PCIE, PCIE x16 (supports x8/x8 bifurcation)
8. 4 \* USB 3.1 Gen2, 6 \* USB 3.1 Gen1, 2 \* USB 2.0
9. 6\* Serial Ports, Watchdog Timer, AT/ATX Power Switch Mode
10. 24+4-pin Power Connectors, GPIO, Chassis Intrusion
11. Onboard Nuvoton TPM 2.0
12. Compatible with Windows 10 64bit, Linux
13. Mini-ITX Form Factor (170mm x 170mm)



<b>Model / Series</b>	■ NF796
<b>Part No</b>	■ JNF796-Q370
<b>Processor</b>	■ Support 8th/9th Gen Intel Core i3, i5, i7 Processors, LGA1151 (300 series), Coffee Lake
<b>Chipset</b>	■ Intel Q370 Express
<b>Video</b>	■ Intel HD Graphics
<b>Memory</b>	■ 2 * 260-pin SO-DIMM slots supporting DDR4-2133 up to 32GB total
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>■ PCI Express 3.0 x16 slot (supports x8/x8 bifurcation)</li> <li>■ 1 * Full-size mSATA/mini-PCIE shared slot, 3G SIM Card Holder (on bottom)</li> <li>■ 1 * Half-size Mini-PCIE slot</li> </ul>
<b>Storage</b>	■ 5 * SATA3 6Gb/s ports supporting RAID 0, 1, 5, 10, JBOD
<b>Audio</b>	■ Realtek ALC662 HD audio
<b>Network</b>	■ 2 * Intel Gigabit LAN (1 * i211-AT, 1 * i219-LM supporting iAMT 12.0 & vPRO)
<b>Other Features</b>	■ Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Onboard TPM 2.0
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>■ 4 * USB 3.1 Gen2 ports (10Gb/s), 2 * USB 3.1 Gen1 ports (5Gb/s)</li> <li>■ 2 * RJ-45 ports</li> <li>■ 2 * Serial ports (2 * RS232/422/485)</li> <li>■ DisplayPort 1.2 4K @60Hz, 1 * HDMI 1.4 4K @30Hz, VGA</li> <li>■ 3 * Audio jacks (Line-in, Line-out, Mic)</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>■ 2 * USB headers for 4 * USB 3.1 Gen1 ports</li> <li>■ 1 * USB header for 2 * USB 2.0 ports</li> <li>■ 24-bit dual channel LVDS, AT/ATX power switch mode</li> <li>■ 4 * Serial headers (2.00mm pitch, 4 * RS232)</li> <li>■ Chassis Intrusion header, PS/2 KB/MS header, SMBUS header, 8bit GPIO</li> <li>■ 24-pin ATX + 4-pin 12V power connectors</li> </ul>
<b>BIOS</b>	■ AMI 128Mb Flash ROM
<b>Box Contents</b>	■ NF796 Motherboard, SATA Cable, Serial Cable, Manual, DVD Driver Disk, I/O Shield
<b>Certification</b>	■ CE, FCC, RoHS, ErP/EuP, REACH
<b>Temperature</b>	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
<b>Form Factor</b>	■ Mini-ITX Form Factor (170mm x 170mm)
<b>Warranty</b>	■ 2 Years Limited Warranty

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



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