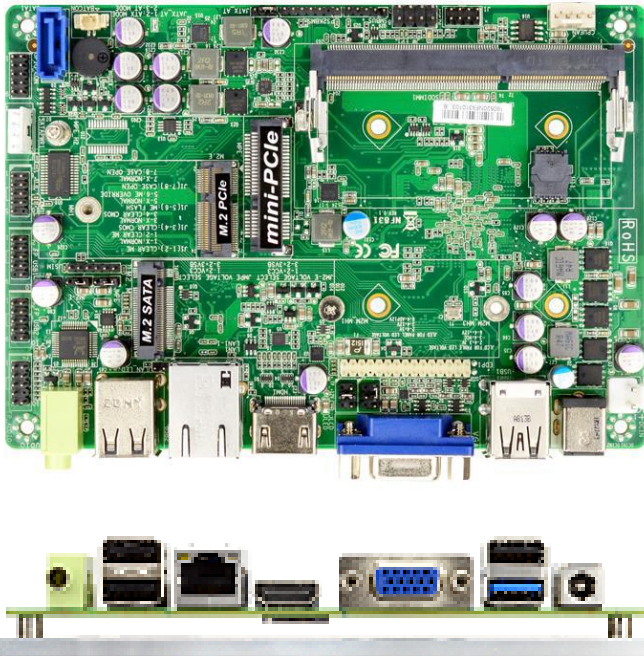


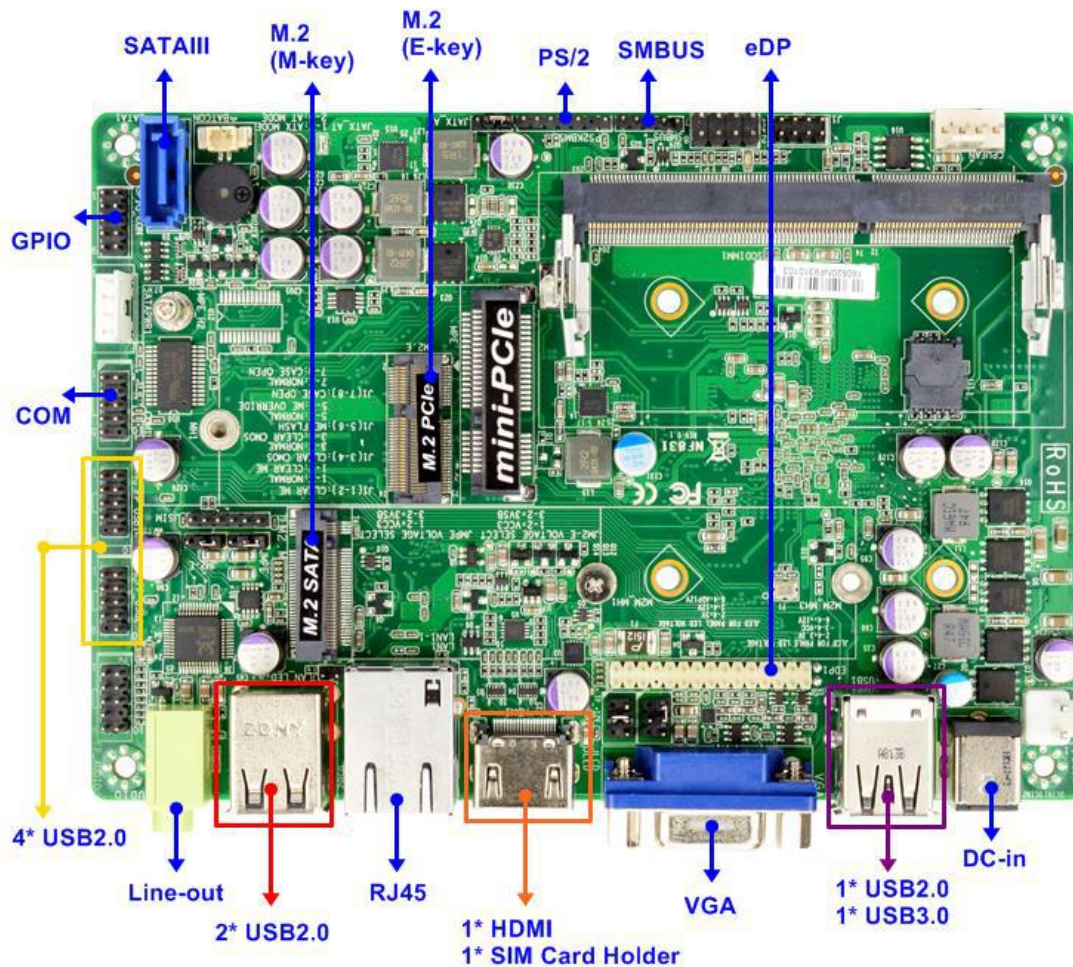
NF831

3.5" Industrial Motherboard for Fanless Systems HDMI / VGA / eDP / 2 * M.2 / Mini-PCIE / 12V



Features

1. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
2. Intel Celeron N2930 SoC, 1.83GHz, Quad-Core, 7.5W
3. Supports DDR3L-1333 SODIMM up to 8GB Total
4. Supports up to 2 Display, HDMI, VGA, eDP
5. 1 * SATA2 3Gb/s Port, 1 * M.2 SATA 2242/2280
6. 1 * M.2 2230, 1 * Full-size Mini-PCIE Slot with SIM Slot
7. Realtek Gigabit LAN, HD Audio, 1 * USB 3.0
8. 1 * Serial Port Header, 8-bit GPIO, Watchdog Timer
9. 12V DC-In or 2-pin Alternative Internal Connector
10. 3.5" SBC Form Factor (148mm x 102mm)



Model / Series	<ul style="list-style-type: none"> NF831
Part No	<ul style="list-style-type: none"> JNF831-2930
Processor	<ul style="list-style-type: none"> Intel Celeron N2930 SoC, 1.83GHz - 2.16GHz burst, Quad-Core, 7.5W TDP *Ships with flat heatsink for direct attaching
Chipset	<ul style="list-style-type: none"> SoC
Video	<ul style="list-style-type: none"> Intel HD Graphics, N2930: 313-854MHz
Memory	<ul style="list-style-type: none"> 1 * 204-pin SO-DIMM slots supporting DDR3L-1333 up to 8GB total, 1.35V required
Expansion Slots	<ul style="list-style-type: none"> 1 * Full-size mini-PCI Express slot with 3G SIM slot 1 * M.2 E-key 2230 for WIFI
Storage	<ul style="list-style-type: none"> 1 * SATA2 3Gb/s port 1 * M.2 SATA M-key 2242/2280 only
Audio	<ul style="list-style-type: none"> Realtek ALC662 HD Audio
Network	<ul style="list-style-type: none"> 1 * Realtek RTL8111H Gigabit LAN
Other Features	<ul style="list-style-type: none"> Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec
Rear Panel I/O	<ul style="list-style-type: none"> 1 * USB 3.0 port, 3 * USB 2.0 ports 1 * RJ-45 ports HDMI, VGA Line Out 12V DC-in jack
Front Panel I/O	<ul style="list-style-type: none"> None
Internal I/O	<ul style="list-style-type: none"> 2 * USB Headers for 4 * USB 2.0 ports SIM Card Socket, 1 * Serial port header (RS232) eDP & Inverter, 1 * PS2 KB/MS combo header, SMBus header 8-bit GPIO header, Chassis Intrusion Header, AT/ATX power switch mode jumper
BIOS	<ul style="list-style-type: none"> AMI Flash ROM
Box Contents	<ul style="list-style-type: none"> NF831 Motherboard, SATA Cable, Internal Power Cable, Manual, DVD Driver Disk
Certification	<ul style="list-style-type: none"> CE, FCC, RoHS, ErP
Temperature	<ul style="list-style-type: none"> Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	<ul style="list-style-type: none"> 3.5" SBC Form Factor (148mm x 102mm)
Warranty	<ul style="list-style-type: none"> 2 Years Limited Warranty

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



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