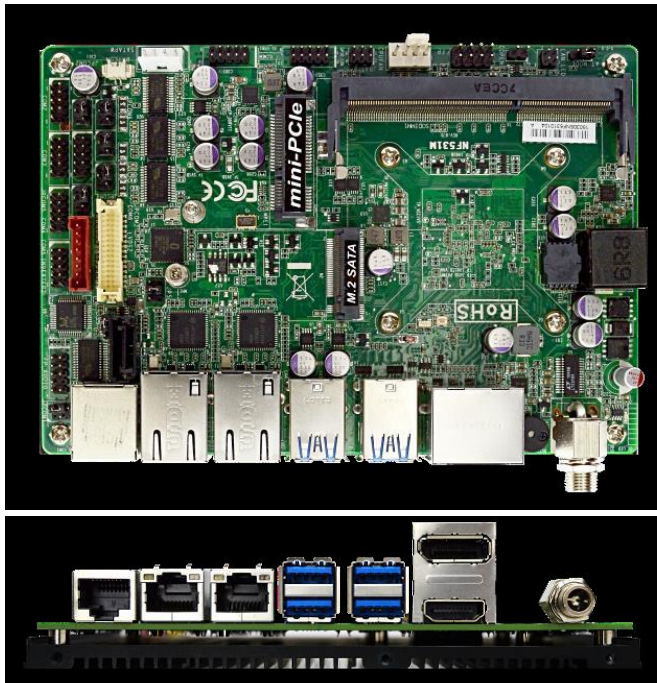


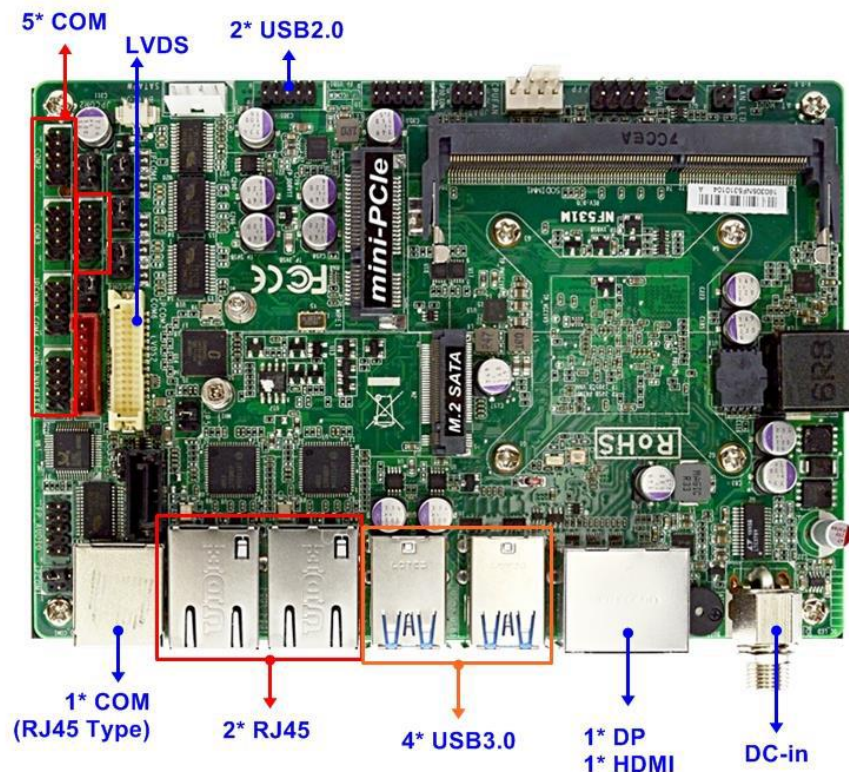
NF531R

3.5" SBC Industrial Motherboard / 4K Ready
Braswell / 2 LAN / M.2 SATA / 9 - 36V



Features

1. Industrial Embedded Motherboard
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems, Planned Lifecycle through Q1'2031
3. Fanless Intel Celeron N3160 SoC Processor, Quad-Core, Braswell-M, 6W TDP
4. Supports SO-DIMM DDR3L-1600 up to 8GB Total
5. DisplayPort, HDMI, 24-bit LVDS
6. 2 * Gigabit LAN Ports, HD Audio Headers
7. 1 * SATA3 6Gb/s Ports, 1 * M.2 SATA M-key 2242 Slot
8. 1 * Half-size mini-PCIE Slot
9. 4 * USB 3.0 Ports, 2 * USB 2.0 Ports
10. 6*Serial Ports (1*RS232/422/485, 5*RS232)
11. GPIO, Watchdog Timer, AT/ATX Power Switch Mode
12. 9~36V DC-in Locking jack
13. Compatible with Windows 7, 8.1, 10, Linux
14. 3.5" SBC Form Factor (148mm x 102mm)



Model / Series	<ul style="list-style-type: none"> NF531R
Part No	<ul style="list-style-type: none"> JNF531R-3160
Processor	<ul style="list-style-type: none"> Fanless Intel Celeron N3160 SoC Processor, Quad-Core, 1.6GHz, 2.24GHz Burst *Ships with passive heatsink for bench testing
Chipset	<ul style="list-style-type: none"> None
Video	<ul style="list-style-type: none"> Intel HD Graphics in processor, 320 – 640MHz
Memory	<ul style="list-style-type: none"> 1 * 204-pin SO-DIMM slot supporting DDR3L-1600 up to 8GB total, 1.35V required
Expansion Slots	<ul style="list-style-type: none"> 1 * Half-size Mini-PCI Express slot
Storage	<ul style="list-style-type: none"> 1 * SATA3 6Gb/s port 1 * M.2 slot (M-key, SATA interface, 2242 only)
Audio	<ul style="list-style-type: none"> Realtek HD Audio headers (line-out, Mic)
Network	<ul style="list-style-type: none"> 2 * Realtek RTL8119I Gigabit LAN
Other Features	<ul style="list-style-type: none"> Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec
Rear Panel I/O	<ul style="list-style-type: none"> 4 * USB 3.0 ports, 2 * RJ-45 LAN ports DisplayPort (3840x2160 @30Hz, 2560x1600 @60Hz) HDMI (3840x2160 @30Hz, 2560x1600 @60Hz) 1 * Serial RJ45 port (RS232/422/485) +9~36V DC-in locking jack (1-pin 2.5mm ID/5.5mm OD, locking)
Internal I/O	<ul style="list-style-type: none"> 1 * USB header for 2 * USB 2.0 ports 24bit Dual Channel LVDS & Inverter, AT/ATX power switch mode 5 * Serial port headers (4*RS232, 1*RS232/422/485) 8-bit GPIO header, Chassis Intrusion header
BIOS	<ul style="list-style-type: none"> AMI Flash ROM
Box Contents	<ul style="list-style-type: none"> NF531R Motherboard, I/O Shield
Certification	<ul style="list-style-type: none"> CE, FCC, RoHS, ErP/EuP, REACH
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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