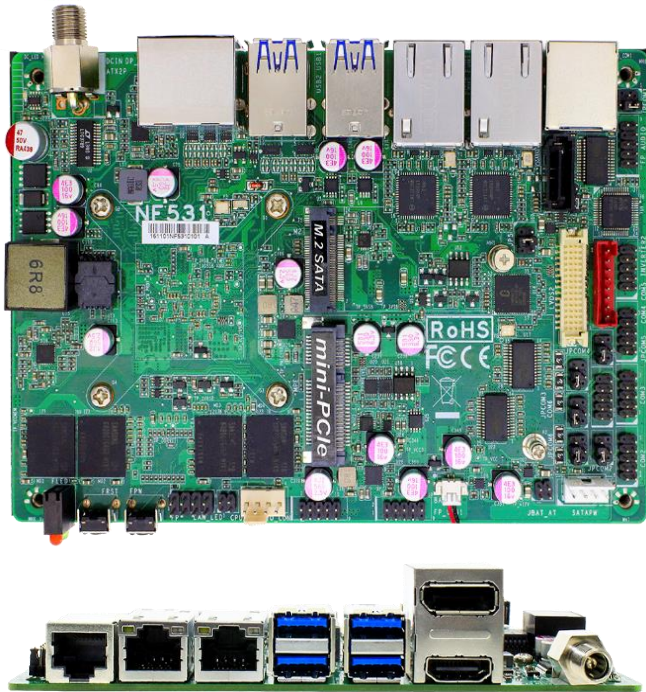


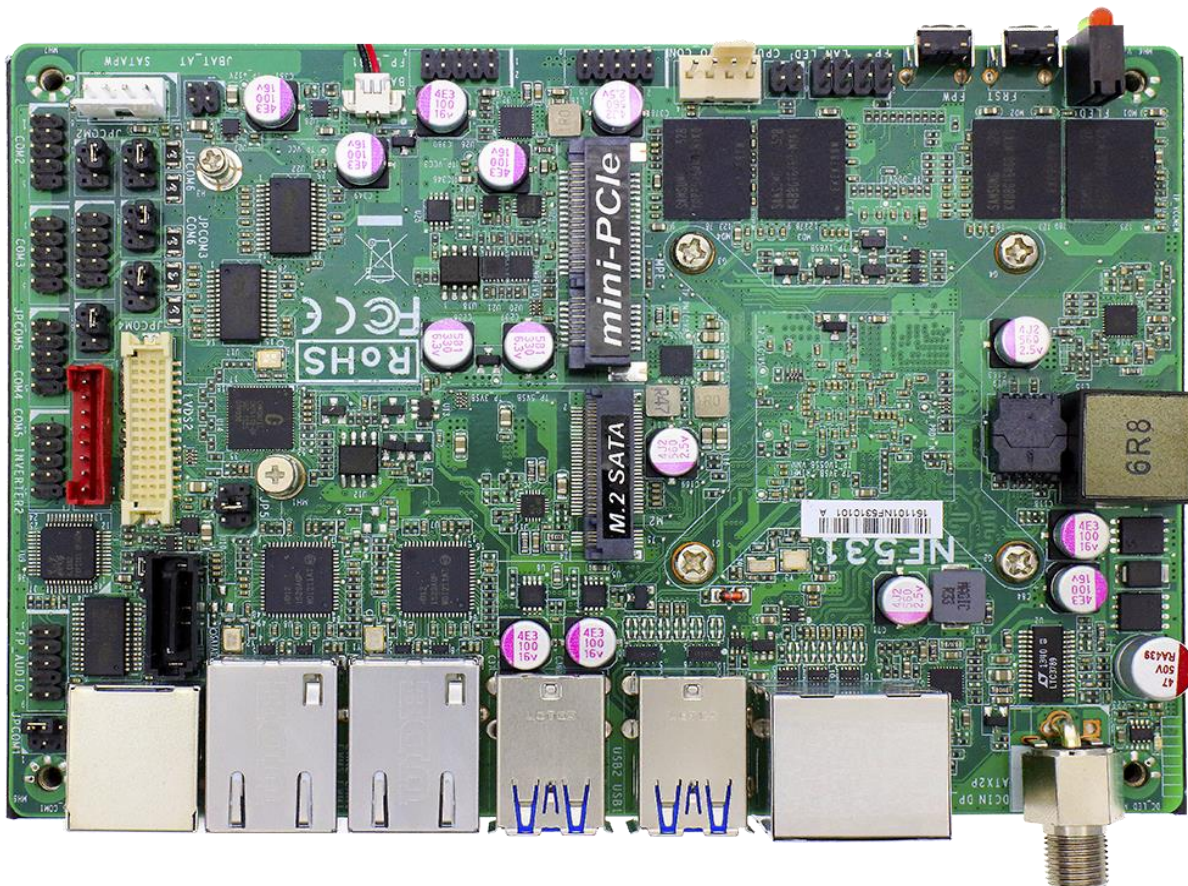
NF531

3.5" SBC Industrial Motherboard / 4K Ready Celeron N3150 / 4GB DDR3L / 2 Intel LAN / M.2



Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q1'2020
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Fanless Intel Celeron N3150 SoC Processor, Quad-Core, 1.6GHz, 2.08GHz Burst, Braswell-M, 6W TDP
4. Onboard 4GB DDR3L-1600 Memory
5. DisplayPort, HDMI, 24-bit LVDS
6. 2 * Intel i211-AT Gigabit LAN Ports, HD Audio Headers
7. 1 * SATA3 6Gb/s Ports, 1 * M.2 SATA M-key 2242 Slot
8. 1 * Full-size mini-PCIE Slot
9. 4 * USB 3.0 Ports, 2 * USB 2.0 Ports
10. 5*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	■ NF531
Part No	■ JNF531D4-3150
Processor	■ Fanless Intel Celeron N3150 SoC Processor, Quad-Core, 1.6GHz, 2.08GHz Burst, Braswell-M, 14nm, 6W TDP, 2MB Cache
Chipset	■ None
Video	■ Intel HD Graphics in processor, 320 – 640MHz
Memory	■ Onboard 4GB DDR3I-1600 memory, non-expandable
Expansion Slots	■ 1 * Full-size Mini-PCI Express slot
Storage	■ 1 * SATA3 6Gb/s ports ■ 1 * M.2 slot (M-key, SATA interface, 2242 only)
Audio	■ Realtek ALC662 HD Audio headers (line-out, Mic)
Network	■ 2 * Intel i211-AT Gigabit LAN
Other Features	■ Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec
Rear Panel I/O	■ 4 * USB 3.0 ports, 2 * RJ-45 LAN ports ■ DisplayPort (3840 * 2160@30Hz, 2560 * 1600@60Hz) ■ HDMI (3840 * 2160@30Hz, 2560 * 1600@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	■ 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	■ AMI 64MB Flash ROM
Box Contents	■ NF531 Motherboard, SATA Cable, Power Cable, COM cable, Manual, DVD Driver Disk
Certification	■ CE, FCC, RoHS, ErP/EuP, REACH
Temperature	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	■ 3.5" SBC Form Factor (148mm x 102mm)
Warranty	■ 2 Years Limited Warranty

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



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