

NF731

3.5" SBC Apollo Lake Networking Motherboard 4 Intel LAN / 2 COM / HDMI Header / 12V



Features

1. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems, includes Heatsink for Direct Mounting
2. Intel Celeron Skylake-U/Kaby Lake-U SoC Processors, 15W
3. Supports DDR4-2133 SODIMM up to 16GB Total
4. 4 * Intel Gigabit LAN
5. 1 * SATA3 6Gb/s, 1 * Full-size mSATA
6. 2 * Mini-PCIE (1 * Full-size, 1 * Half-size), SIM Card Holder
7. 2 * USB 3.0 Ports, 3 * USB 2.0 Ports
8. 2 * Serial Ports, 8-bit GPIO, Watchdog Timer
9. 12V DC-In Locking Jack or 2-pin Alternate internal Connector
10. 3.5" SBC Form Factor (148mm x 102mm)



Ships with flat aluminum heatsink for attaching directly to chassis or other surface for heat dissipation.

Model / Series	<ul style="list-style-type: none"> NF731
Part No	<ul style="list-style-type: none"> JNF731-3855, JNF731-3865, JNF731-3955, JNF731-3965
Processor	<ul style="list-style-type: none"> Intel Celeron 3855U, 3865U SoC Processors, 15W TDP (non-embedded) Intel Celeron 3955U, 3965U SoC Processors, 15W TDP (embedded) *Ships with flat aluminum heatsink for attaching directly to chassis for heat dissipation
Chipset	<ul style="list-style-type: none"> SoC
Video	<ul style="list-style-type: none"> 3855U/3955U: Intel HD Graphics 510, 3865U/3965U: Intel HD Graphics 610, 300-900MHz
Memory	<ul style="list-style-type: none"> 1 * 260-pin SO-DIMM slot supporting DDR4-2133 up to 16GB total
Expansion Slots	<ul style="list-style-type: none"> 1 * Full-size Mini-PCI Express slot, 1 * Half-size Mini-PCI Express slot , 1 * 3G SIM Card Holder
Storage	<ul style="list-style-type: none"> 1 * SATA3 6Gb/s port 1 * Full-size mSATA Slot OEM OPTION: onboard eMMC
Audio	<ul style="list-style-type: none"> None
Network	<ul style="list-style-type: none"> 4 * Intel Gigabit LAN (3 * i211-AT, 1 * i219-LM)
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"> 2 * USB 3.0 ports 4 * RJ-45 LAN ports, 1 * Serial port (RS232) +12V DC-in locking jack (2.5mm ID/5.5mm OD)
Front Panel I/O	<ul style="list-style-type: none"> None
Internal I/O	<ul style="list-style-type: none"> 2 * USB Headers for 3 * USB 2.0 ports 1 * Serial port header (RS232/422/485) 1 * PS2 KB/MS combo header, SMBus/I2C header, HDMI header 8-bit GPIO header, AT/ATX power switch mode jumper, Chassis intrusion header 2-pin 12V Alternative power connector, OEM OPTION: Onboard TPM 1.2 or TPM 2.0
BIOS	<ul style="list-style-type: none"> AMI 128Mb Flash ROM
Box Contents	<ul style="list-style-type: none"> NF731 Motherboard, Internal Power Cable, HDMI 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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