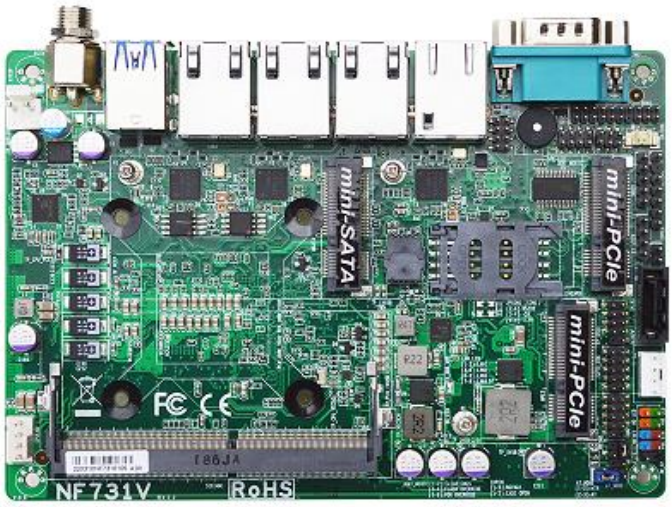
NF731V

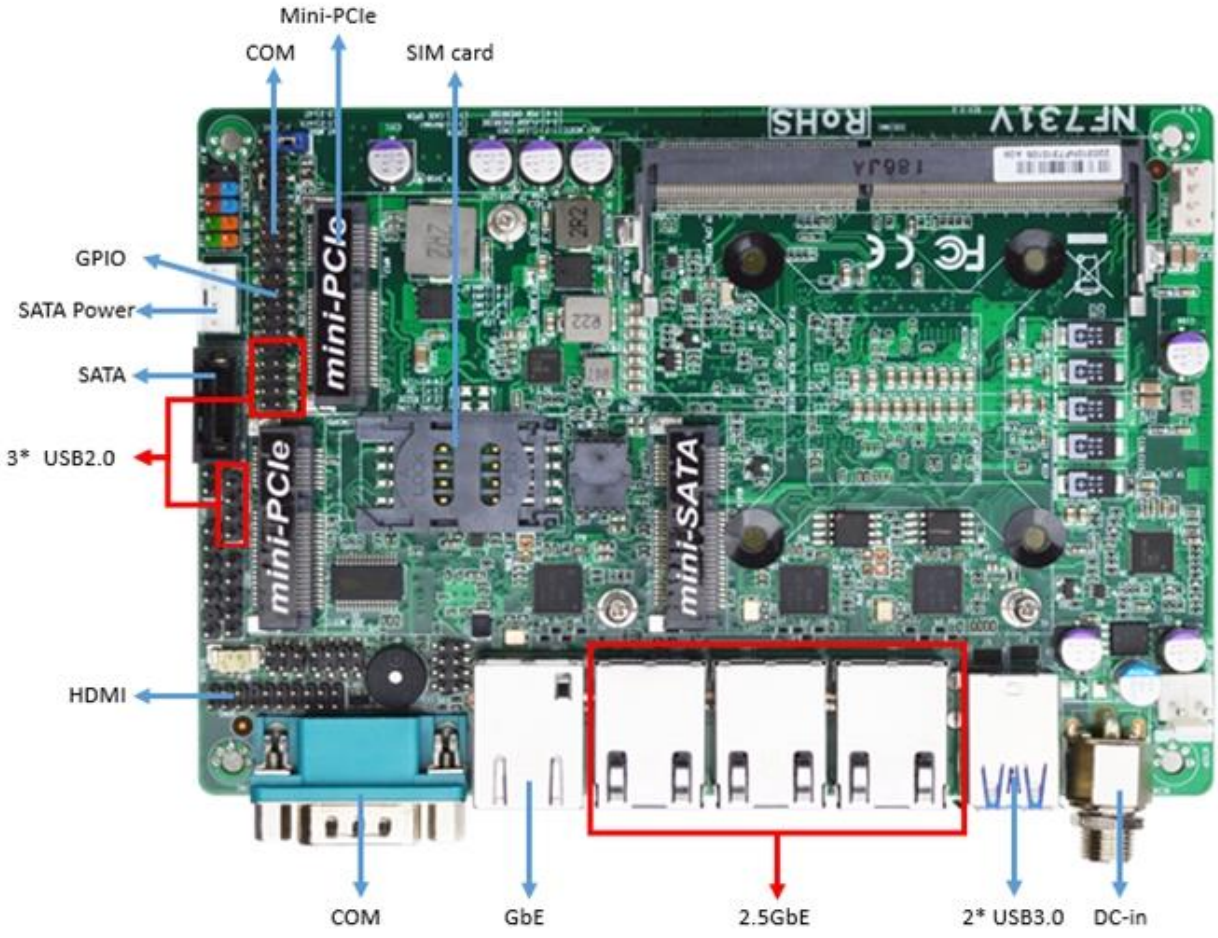
3.5” SBC Apollo Lake Networking Motherboard
3 Intel 2.5GbE + 1 Intel 1GbE / 2 COM / 12V





Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q3’2030
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems, includes Heatsink for Direct Mounting
3. Intel Celeron 3955U SoC Processor, 15W
4. Supports DDR4-2133 SODIMM up to 16GB Total
5. 1 * Intel i219-LM Gigabit + 3 * Intel i225-V 2.5GbE
6. 1 * SATA3 6Gb/s, 1 * Full-size mSATA
7. 2 * Mini-PCIE (1 * Full-size, 1 * Half-size), SIM Card Holder
8. 2 * USB 3.0 Ports, 3 * USB 2.0 Ports
9. 2 * Serial Ports, 8-bit GPIO, Watchdog Timer
10. 12V DC-In Locking Jack or 2-pin Alternate internal Connector
11. 3.5” SBC Form Factor (148mm x 102mm)



Model / Series	■ NF731V
Part No	■ JNF731V-3955
Processor	■ Intel Celeron 3955U SoC Processor, 15W TDP ■ *Ships with flat aluminum heatsink for attaching directly to chassis for heat dissipation
Chipset	■ SoC
Video	■ Intel HD Graphics
Memory	■ 1 * 260-pin SO-DIMM slot supporting DDR4-2133 up to 16GB total
Expansion Slots	■ 1 * Full-size Mini-PCI Express slot, 1 * Half-size Mini-PCI Express slot , 1 * 3G SIM Card Holder
Storage	■ 1 * SATA3 6Gb/s port ■ 1 * Full-size mSATA Slot ■ OEM OPTION: onboard 32GB eMMC
Audio	■ None
Network	■ 4 * Intel Gigabit LAN (3 * i225/i226-V 2.5GBE, 1 * i219-LM 1GBE)
Other Features	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Optional TPM
Rear Panel I/O	■ 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	■ None
Internal I/O	■ 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
BIOS	■ AMI 128Mb Flash ROM
Box Contents	■ NF731V Motherboard, Internal Power Cable, HDMI Cable
Certification	■ CE, FCC, RoHS, ErP
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.

JETWAY
Tech.On The Move

Jetway Computer Corporation
Phone: 510-857-0130 Fax: 510-857-0138
8058 Central Ave., Newark, CA 94560
www.jetwaycomputer.com