

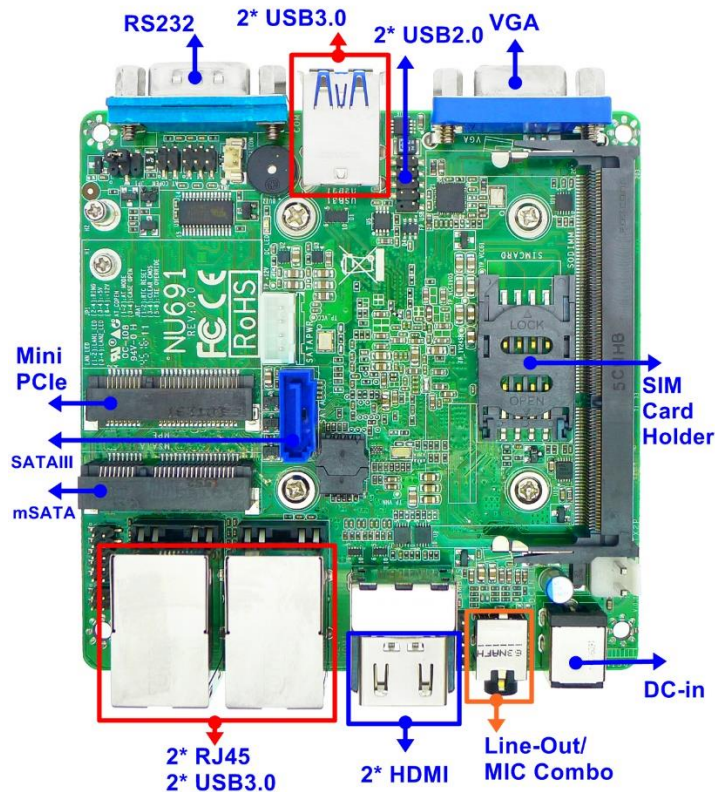
NU691

NUC Industrial Motherboard for Fanless Systems Intel Apollo Lake / 2HDMI / 2LAN / COM / 12V



Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q3'2031
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Intel Celeron J3455 Quad-Core
4. Up to 8GB DDR3L-1866 SODIMM Memory Total
5. Supports up to 3 Displays, 2 * HDMI 4K @30Hz, VGA
6. 1 * SATA3 6Gb/s Port, 1 * Full-size mSATA Slot
7. 1 * Half-size Mini-PCIE Slot, SIM Card Holder
8. 2 * Realtek Gigabit LAN, HD Audio, Optional TPM 2.0
9. 1 * External RS232 Serial Port
10. Line-out/Mic Combo Jack
11. Watchdog Timer, 4 * USB 3.0, 2 * USB 2.0
12. 12V DC-In Jack or Alternative 2-pin Internal Power
13. NUC Form Factor (101mm x 101mm)



Model / Series	<ul style="list-style-type: none"> ■ NU691
Part No	<ul style="list-style-type: none"> ■ JNU691-3455 (no TPM), JNU691T2-3455 (TPM 2.0)
Processor	<ul style="list-style-type: none"> ■ Intel Celeron J3455 SoC, 1.5GHz - 2.3GHz burst, Quad-Core, 10W TDP ■ *Ships with CPU heatsink/fan for bench testing
Chipset	<ul style="list-style-type: none"> ■ SoC
Video	<ul style="list-style-type: none"> ■ Intel HD Graphics 500: 250-750MHz
Memory	<ul style="list-style-type: none"> ■ 1 * DDR3L-1866 SODIMM slot, up to 8GB total
Expansion Slots	<ul style="list-style-type: none"> ■ 1 * Half-size mini-PCI Express slot, SIM Card Holder
Storage	<ul style="list-style-type: none"> ■ 1 * SATA3 6Gb/s port ■ 1 * Full-size mSATA slot
Audio	<ul style="list-style-type: none"> ■ Realtek ALC662 HD Audio
Network	<ul style="list-style-type: none"> ■ 2 * 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, Optional TPM 2.0
Rear Panel I/O	<ul style="list-style-type: none"> ■ 2 * USB 3.0 ports ■ 2 * RJ-45 ports ■ 2 * HDMI 1.4 4K @30Hz ■ Line-out/Mic combo jack ■ 12V DC-in jack (1-pin 2.5mm ID / 5.5mm OD)
Front Panel I/O	<ul style="list-style-type: none"> ■ 1 * Serial port (RS232/422/485) ■ 2 * USB 3.0 ports ■ VGA
Internal I/O	<ul style="list-style-type: none"> ■ 1 * USB header for 2 * USB 2.0 ports ■ AT/ATX Power switch mode, 8bit GPIO, SMBUS header, Chassis intrusion header
BIOS	<ul style="list-style-type: none"> ■ AMI Flash ROM
Box Contents	<ul style="list-style-type: none"> ■ NU691 Motherboard
Certifications	<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"> ■ NUC Form Factor (101mm x 101mm)
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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