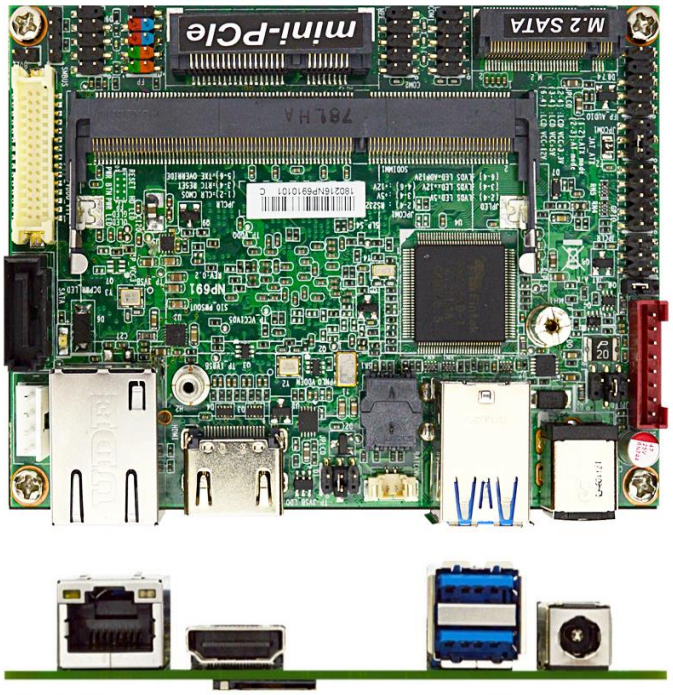
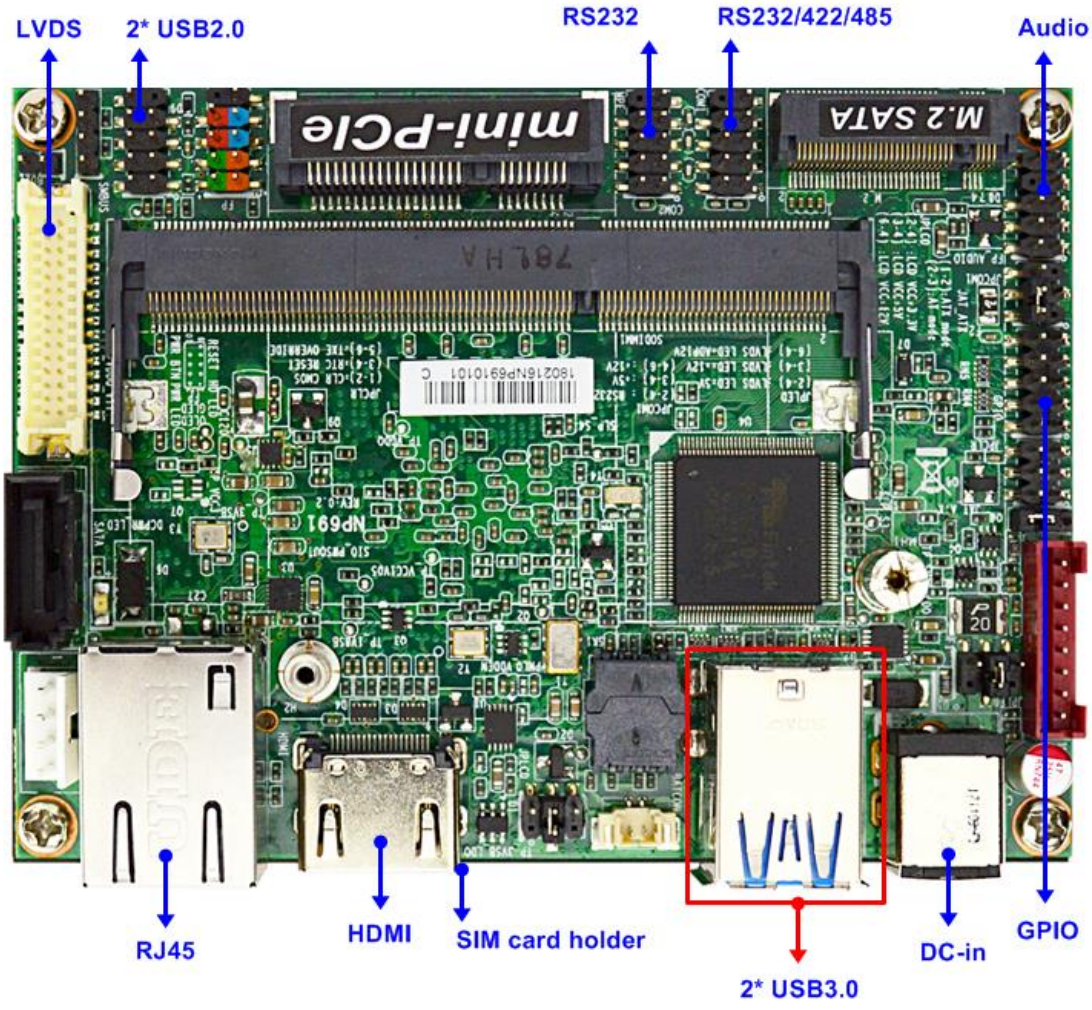
NP691N

Apollo Lake Pico-ITX Industrial Motherboard
1 LAN / 1 HDMI / LVDS / M.2 SATA / 12V



Features

1. Industrial Embedded Motherboard with Planned Lifecycle through Q3'2031
2. Fanless Intel Celeron J3455 Quad-Core Apollo Lake
3. Includes Passive Heatsink for Bench Testing
4. Supports DDR3L-1866 up to 8GB Total
5. Dual Display: HDMI, 24-bit Dual Channel LVDS
6. 1 * Gigabit LAN, HDMI Audio or Audio Header
7. 1 * SATA3 6Gb/s Port, 1 * M.2 SATA M-key 2242 Only
8. 1 * Full-size mini-PCIE Slot with SIM Slot
9. 2 * USB 3.0 Ports, Header for 2 * USB 2.0 Ports
10. 2 * Serial Headers (1*RS232/422/485, 1*RS232)
11. Watchdog Timer, AT/ATX Power Switch Mode
12. SMBUS Header, 12V DC-in
13. Compatible with Windows 10 64bit, Linux*
14. Pico-ITX Form Factor (100mm x 72mm)



Model / Series	■ NP691N
Part No	■ JNP691N-3350 ■ JNP691N-3455 ■ JNP691N-4200
Processor	■ Fanless Intel Celeron J3455 Quad-core Apollo Lake CPU ■ *Ships with passive heatsink for bench testing
Chipset	■ None
Video	■ Intel HD Graphics
Memory	■ 1 * 204-pin SO-DIMM slot supporting DDR3L-1866 up to 8GB total, 1.35V required
Expansion Slots	■ 1 * Full-size Mini-PCI Express slot, External micro SIM slot
Storage	■ 1 * SATA3 6Gb/s port ■ 1 * M.2 slot (M-key, SATA interface, 2242 only)
Audio	■ Intel HDMI Display Audio, Audio header
Network	■ 1 * Realtek RTL8111H Gigabit LAN
Other Features	■ Support AHCI, ACPI S3, Watchdog Timer 10-255 min/sec
Rear Panel I/O	■ 2 * USB 3.0 ports, HDMI 4K@30Hz ■ 1 * RJ-45 LAN port ■ Micro SIM slot ■ +12V DC-in jack (1-pin 2.5mm ID/5.5mm OD)
Internal I/O	■ 1 * USB header for 2 * USB 2.0 ports (2.0 mm pitch) ■ 24bit LVDS & Inverter, AT/ATX power switch mode, 8-bit GPIO header, SMBUS header ■ Audio header, 2 * Serial port headers (1 * RS232/422/485, 1 * RS232) (2.00 mm pitch)
BIOS	■ AMI Flash ROM
Box Contents	■ Motherboard, SATA cable, SATA power cable
Certification	■ CE, FCC, LVD, RoHS, ErP/EuP, REACH
Temperature	■ Operating Temperature 0~60 ° C ■ Storage Temperature -20-85 ° C
Form Factor	■ Pico-ITX Form Factor (100mm x 72mm)
Warranty	■ 2 Years Limited Warranty

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

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