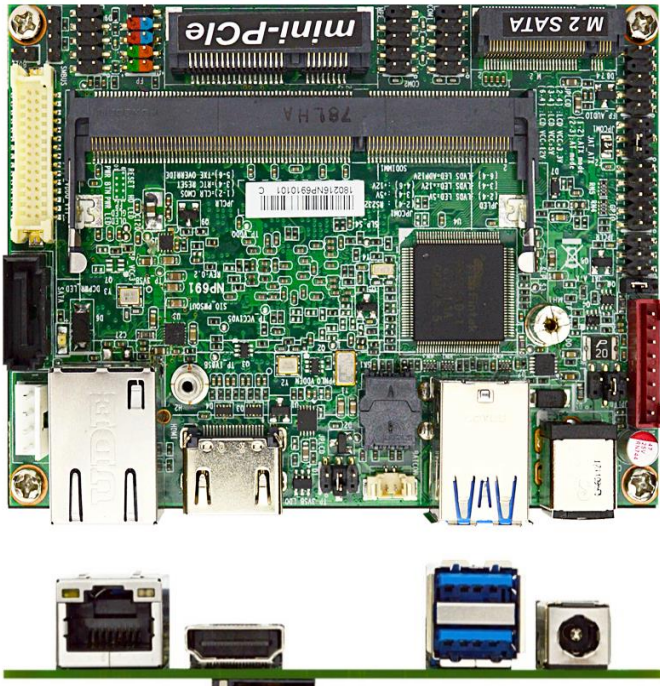


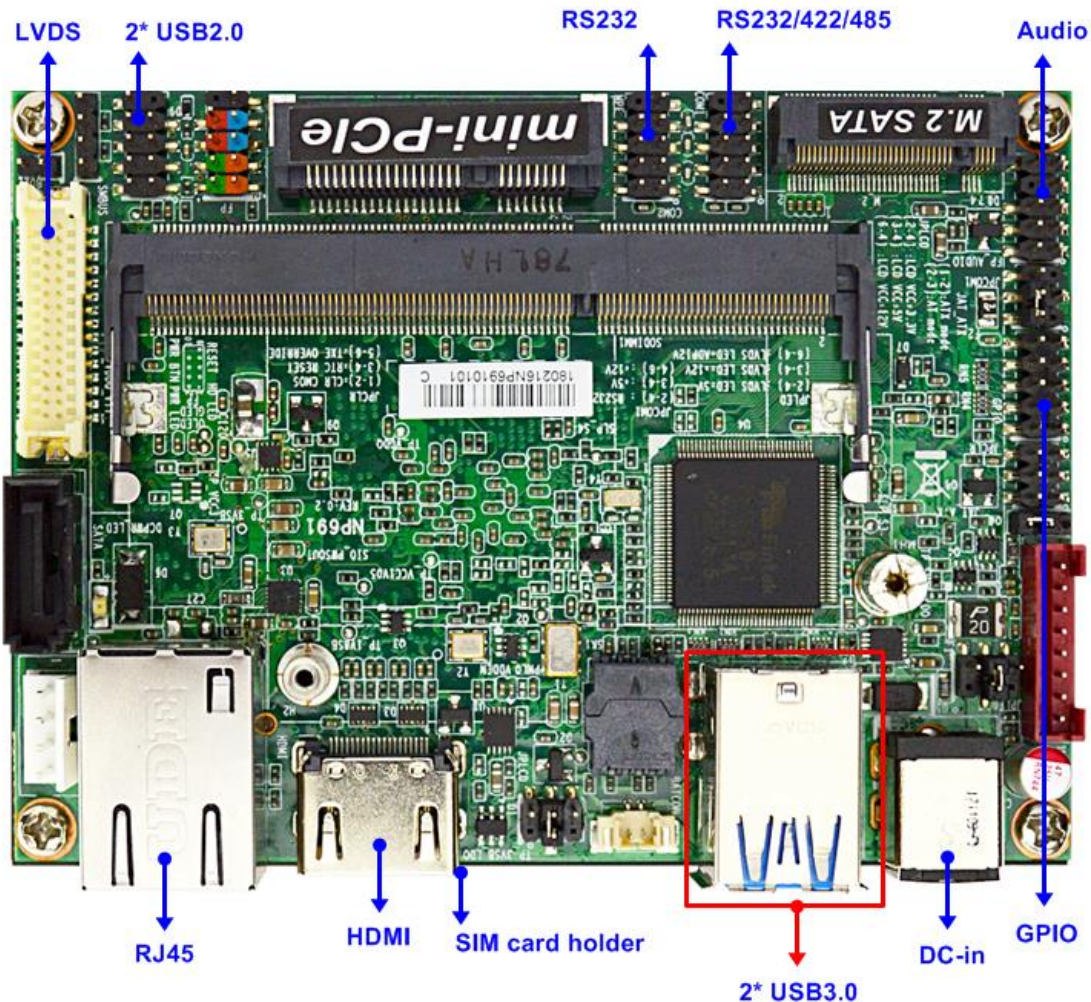
NP691

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



Features

1. Industrial Embedded Motherboard
2. Fanless Intel Celeron N3350 Dual-core or Intel Pentium N4200 Quad-core, Apollo Lake, 6W
3. Passive CPU Heatsink Included 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 Micro 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	<ul style="list-style-type: none"> NP691
Part No	<ul style="list-style-type: none"> JNP691-3350 JNP691-4200
Processor	<ul style="list-style-type: none"> Intel Celeron N3350 Dual-core / Intel Pentium N4200 Quad-core SoC, 6W TDP *Ships with passive heatsink for bench testing
Chipset	<ul style="list-style-type: none"> None
Video	<ul style="list-style-type: none"> N3350: Intel HD Graphics 500, 200-650MHz N4200: Intel HD Graphics 505, 200-750MHz
Memory	<ul style="list-style-type: none"> 1 * 204-pin SO-DIMM slot supporting DDR3L-1866 up to 8GB total, 1.35V required
Expansion Slots	<ul style="list-style-type: none"> 1 * Full-size Mini-PCI Express slot, External micro SIM slot
Storage	<ul style="list-style-type: none"> 1 * SATA3 6Gb/s port 1 * M.2 slot (M-key, SATA interface, 2242 only)
Audio	<ul style="list-style-type: none"> Intel HDMI Display Audio, Realtek ALC662 Audio header
Network	<ul style="list-style-type: none"> 1 * Realtek RTL8111H Gigabit LAN
Other Features	<ul style="list-style-type: none"> Support AHCI, ACPI S3, Watchdog Timer 10-255 min/sec
Rear Panel I/O	<ul style="list-style-type: none"> 2 * USB 3.0 ports, HDMI (3840x2160 @30Hz) 1 * RJ-45 LAN port Micro SIM slot +12V DC-in jack (1-pin 2.5mm ID/5.5mm OD)
Internal I/O	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> AMI Flash ROM
Box Contents	<ul style="list-style-type: none"> Motherboard, SATA cable, SATA power cable, COM cable, Manual, DVD Driver Disk
Certification	<ul style="list-style-type: none"> CE, FCC, LVD, RoHS, ErP/EuP, REACH
Temperature	<ul style="list-style-type: none"> Operating Temperature 0~40 ° C, Storage Temperature -20-85 ° C
Form Factor	<ul style="list-style-type: none"> Pico-ITX Form Factor (100mm x 72mm)
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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