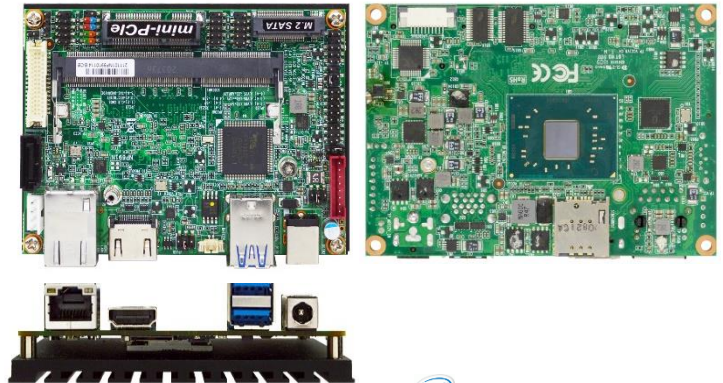


JNP691N Series

Intel® Apollo Lake SoC processor, PICO-ITX size M/B

1. Intel® Apollo Lake SoC Processor
2. Support 1 * DDR3L 1866MHz SO-DIMM up to 8GB
3. 1* GbE
4. Support HDMI and LVDS
5. Support M.2 (M-key, SATA interface, 2242) storage
6. 2 * Internal COM, 2 * External USB3.0, 2* Internal USB2.0
7. 1 * full size Mini-PCIe slot
8. 12V DC-in power



Overview

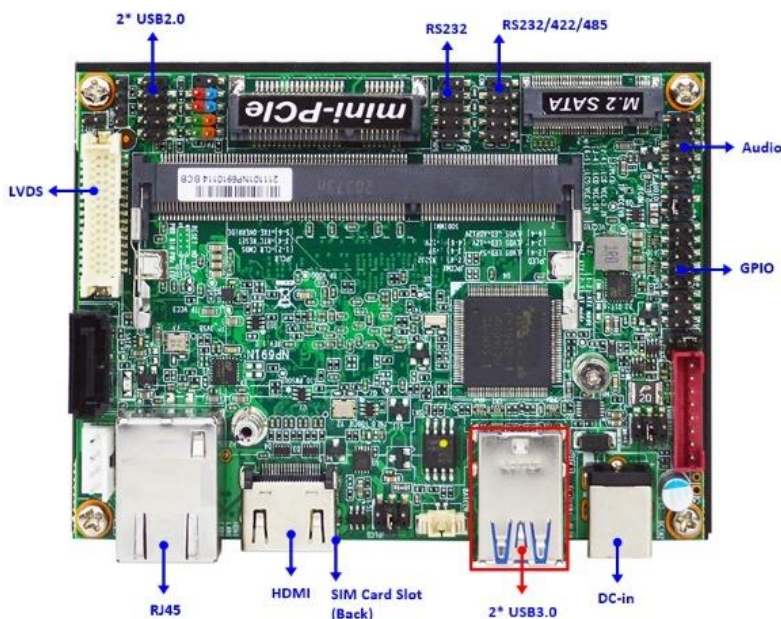
The JETWAY JNP691N Series adopts the Intel® Apollo Lake SoC processor. JNP691N Series equipped with DDR3L SO-DIMM slot and M.2 (M-key, 2242) which is suitable for most of the applications.

In addition, it offers flexible expansion with mPCIe slot which can connect other add-on modules. JNP691N Series also has two USB 3.0, two USB 2.0, one RS232 and one RS232/422/485 ports. Customers can connect different peripherals to meet their needs. JNP691N Series also support HDMI/LVDS dual display which can be used for standard main board or panel PC. All of the JNP691N Series designs provide rich features with small dimension.

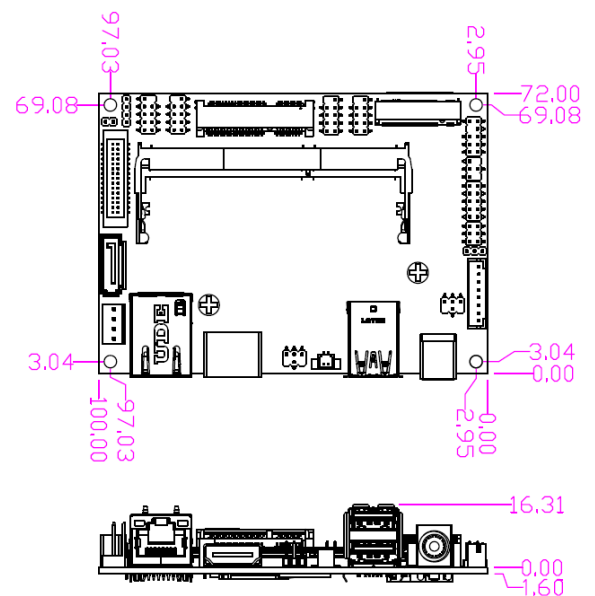
Application

IoT / Machine Control / Intelligent Home

I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model	Form Factor
<ul style="list-style-type: none">JNP691N-4200 (Default)JNP691N-3350	2.5" (100 * 72mm)
Processor System	Expansion Slot
<ul style="list-style-type: none">Intel® Apollo Lake SoC ProcessorJNP691N-4200: Quad Core, 2.5GHzJNP691N-3350: Dual Core, 2.4GHzIntel® N4200 / N3350 chipsetAMI 64Mb Flash ROM BIOS	<ul style="list-style-type: none">1* Mini PCIe (full size)1* M.2 (M-key, 2242, SATA interface)1* SIM card slot
Memory	Graphics
1* DDR3L 1866MHz SDRAM SO-DIMM up to 8GB	<ul style="list-style-type: none">Intel® HD Graphics, shared memory1* LVDS (Max Resolution: 1920x1080@60Hz)1* HDMI 1.4 (Max Resolution: 3840x2160@30Hz)Support Dual Displays
Ethernet	Audio
1* Realtek RTL8111H GbE	4 channel HD audio: Realtek ALC662/ALC888S
SATA	Rear I/O
1* SATAIII (6.0Gb/s)	<ul style="list-style-type: none">1* HDMI1* RJ45 Ethernet2* USB3.0DC-in
Internal Connector	Watchdog Timer
<ul style="list-style-type: none">2* USB 2.01* LVDS / Inverter2* COM (COM2: RS232, COM1: RS232/422/485)1* SATA1* Mini PCIe1* M.2 (M-key (2242, SATA interface)1* GPIO (8 bit)1* Audio Header1* SMBUS/I2C1* AT mode	<ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments
Power	Compliance
DC-in 12V, AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	CE, FCC, LVD
Temperature	OS Support
<ul style="list-style-type: none">Operating: 0°C ~ 60°CStorage: -20°C ~ 85°CHumidity: 10% ~ 90% RH @40°C (non-condensing)	Windows 10, Linux
Warranty	
2 Years Limited Warranty	

* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Standard Accessories

Parts Number	Description	Parts Number	Description
-----	JNP691N M/B	G01-PW4PS2S-322-1F	1* SATA Power cable
G01-COM-H2M22-1F	1* COM cable	G01-SATA3-BL-1F	1* SATA cable