

JNF692S6-345 Series

6* GbE Ports Networking Appliance Motherboard with Intel® Apollo Lake series SoC Processor, 1* PCIe x1 (sideway)

1. Intel® Apollo Lake series SoC Processor. Default J3455
2. 1* 204-pin DDR3L 1866MHz SO-DIMM up to 8GB
3. 6* 10/100/1000 Base-TX Ethernet Ports (support up to 2 pairs ByPass GbE option)
4. Support Intel AES-NI and TPM (option) to secure data
5. 1* RS232 Console (RJ-45 type), 2* USB3.0, 2* USB2.0, 1* HDMI
6. 1* PCIe x1 (sideway), 1* Mini PCIe slot (full size, USB signal), 1* mSATA (full size), 1* SIM card holder, 1* 32GB eMMC (option)
7. 12V DC-in power

JNF692S6-345



JNF692S6-345B1



Overview

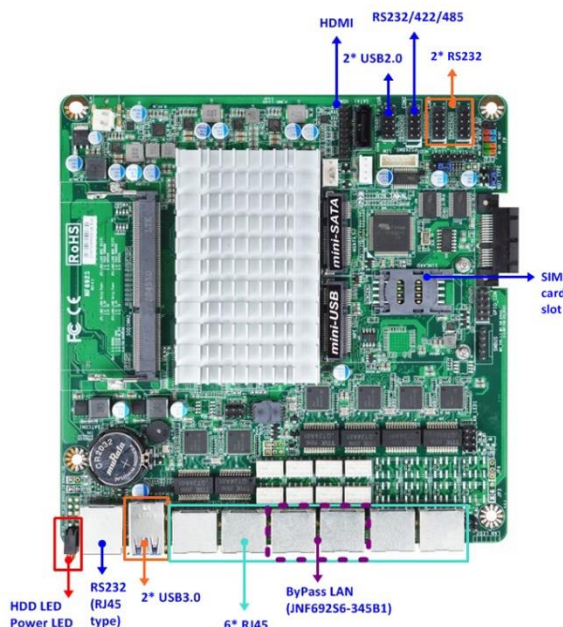
The JETWAY JNF692S6 Series adopts the Intel® Apollo Lake series SoC processor. The system memory features one 204-pin DDR3L 1866MHz SO-DIMM up to 8 GB. It equipped with six Gigabit Ethernet LAN ports (support up to 2 pairs ByPass GbE option) and suitable for networking environment. Intel® Apollo Lake series processor support AES-NI which is a new encryption instructions to improves on the AES algorithm and accelerates the encryption of data. NF692S6 also support TPM feature to secure customers' data (option).

In addition, it offers flexible expansion with network products and features one Mini PCIe slot (USB signal only), two USB 3.0 port, and one RS232 console port. Expansion opportunities are available with 1 PCIe x1 (sideway), 1 Mini PCIe slot and 1 SIM card holder enabling the addition of Wi-Fi, 3G, 4G LTE for multiple connectivity. In addition, an onboard eMMC (32GB option) & internal mSATA slot and SATAIII connector for a 2.5" device provides storage selection. The console port deploys console re-direction that increases the network security via remote control. NF692S6 equip with TVS, voltage, current and ESD protection. All of these designs provide for a more user-friendly solution.

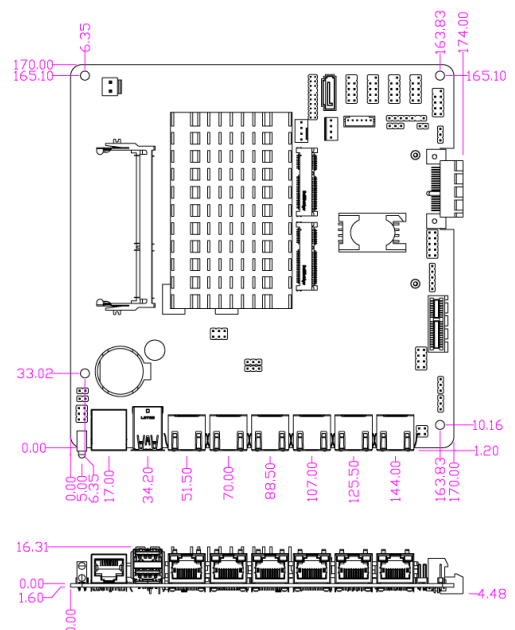
Application

IDP/IPS / Firewall / Load Balancing / Bandwidth Manager / Web Filter / Anti-Spam/Virus / Network Access Control

I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model	Form Factor
<ul style="list-style-type: none">JNF692S6-345JNF692S6-345B1 (ByPass LAN)	Slim Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)
Processor System	Expansion Slot
<ul style="list-style-type: none">Intel® Apollo Lake SoC ProcessorIntel J3455 SoC chipsetAMI 128Mb Flash ROM BIOS	<ul style="list-style-type: none">1* Mini PCIe (full size, USB signal only)1* mSATA (full size)1* PCIe (horizontal)1* SIM card slot
Memory	Graphics
1* DDR3L 1866MHz SDRAM SO-DIMM up to 8GB	<ul style="list-style-type: none">Intel® HD Graphics1* HDMI (header connector, Max. Resolution: 1920 x 1080@60Hz)
Ethernet	Audio
<ul style="list-style-type: none">JNF692S6-345: 6* Intel i211AT GbEJNF692S6-345B1: 6* Intel i211AT GbE (1 pair ByPass GbE)	N/A
Storage	Rear I/O
<ul style="list-style-type: none">1* SATAIII (6.0Gb/s)32GB eMMC (option) eMMC is recommend to set as primary boot device for Windows 10 OS boot up1* mSATA (full size)	<ul style="list-style-type: none">6* GbE (1 pair ByPass LAN for JNF692S6-345B1 model)2* USB3.01* RS232 (RJ45 type)Power LEDHDD LED
Internal Connector	Watchdog Timer
<ul style="list-style-type: none">1* HDMI2* USB2.02* RS2321* RS232/422/4851* SATA1* mPCIe (full size, USB signal)1* mSATA (full size)1* GPIO (4in/4 out)1* SMBUS/ I2C1* AT mode1* SIM card holder1* PS/21* TPM2.0 (option)	<ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments, 0,1,2...255sec
Power	Compliance
12V DC-in PWR header, AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	CE, FCC, RoHS, REACH
Temperature	OS Support
<ul style="list-style-type: none">Operating: 0°C ~ 60°C (with 0.7m/s air flow)Storage: -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
-----	JNF692S6 Series M/B	G01-SATA3-BL-1F	1* SATA cable
F04-MB-063-F	I/O shield	G01-PW4PS-2S-323F	1* SATA Power cable
F04-MB-064-F	I/O shield	G01-2X10A-HDMI-1F	1* HDMI cable