

## JNF692K6 Series

6\* GbE Ports Networking Appliance Motherboard with Intel® Apollo Lake series SoC Processor

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\* Mini PCIe Slots (full size), 1\* mSATA (full size), 1\* SIM card holder, 1\* 32GB eMMC (option)
7. 12V DC-in power

JNF692K6-345



JNF692K6-345B1



### Overview

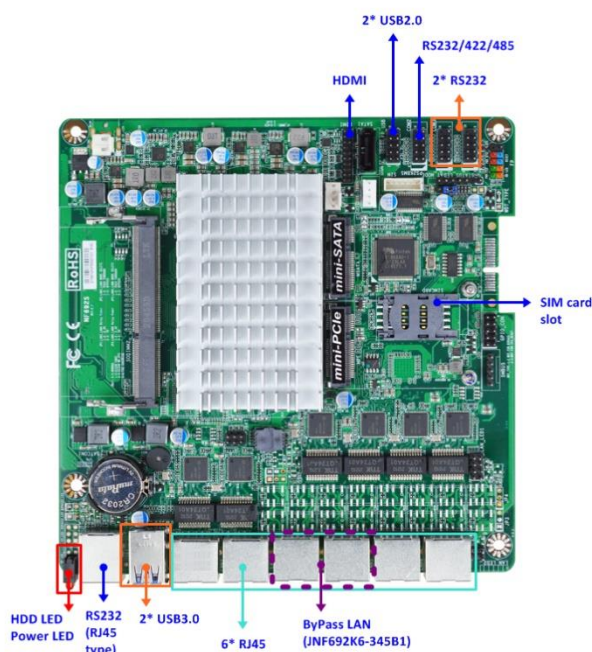
The JETWAY JNF692K6 Series adopts the Intel® Apollo Lake series SoC processor. The system memory features one 204-pin DDR3L 1866MHz SO-DIMM up to 8 GB. It equipped with six Gigabit Ethernet LAN ports (support up to 2 pairs ByPass GbE option) and suitable for networking environment. Intel® Apollo Lake 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/PCIe signal), two USB3.0 port, and one RS232 console port. Expansion opportunities are available with 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. NF692K6 equip with TVS, voltage, current and ESD protection. All of these designs provide for a more user-friendly solution.

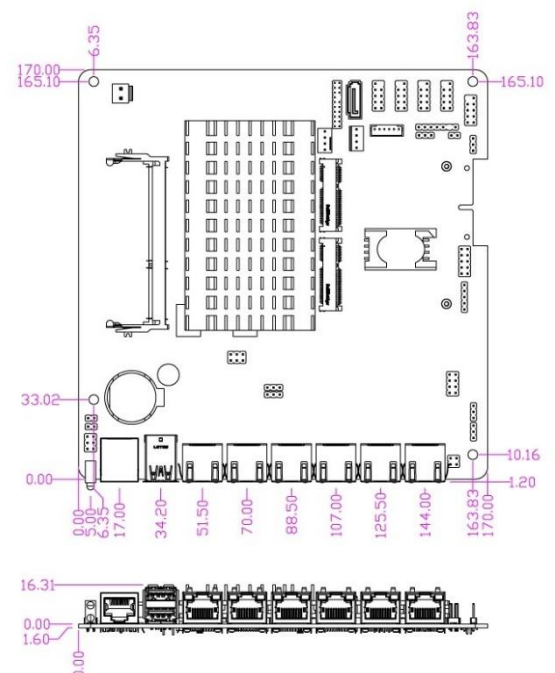
### Application

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

### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

<b>Model</b>	<b>Form Factor</b>
<ul style="list-style-type: none"><li>JNF692K6-345</li><li>JNF692K6-345B1 (ByPass LAN)</li></ul>	Slim Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)
<b>Processor System</b>	<b>Expansion Slot</b>
<ul style="list-style-type: none"><li>Intel® Apollo Lake SoC Processor</li><li>Intel J3455 SoC chipset</li><li>AMI 128Mb Flash ROM BIOS</li></ul>	<ul style="list-style-type: none"><li>1* Mini PCIe (full size, USB/PCIe signal)</li><li>1* mSATA (full size)</li><li>1* SIM card slot</li></ul>
<b>Memory</b>	<b>Graphics</b>
1* DDR3L 1866MHz SDRAM SO-DIMM up to 8GB	<ul style="list-style-type: none"><li>Intel® HD Graphics</li><li>1* HDMI (header connector, Max. Resolution: 3840 x 2160@30Hz)</li></ul>
<b>Ethernet</b>	<b>Audio</b>
<ul style="list-style-type: none"><li>JNF692K6-345: 6* Intel i211AT GbE</li><li>JNF692K6-345B1: 6* Intel i211AT GbE (1 pair ByPass GbE)</li></ul>	N/A
<b>Storage</b>	<b>Rear I/O</b>
<ul style="list-style-type: none"><li>1* SATAIII (6.0Gb/s)</li><li>32GB eMMC (option) <a href="#">eMMC is recommend to set as primary boot device for Windows 10 OS boot up</a></li><li>1* mSATA (full size)</li></ul>	<ul style="list-style-type: none"><li>6* GbE (1 pair ByPass LAN for JNF692K6-345B1 model)</li><li>2* USB3.0</li><li>1* RS232 (RJ45 type)</li><li>Power LED</li><li>HDD LED</li></ul>
<b>Internal Connector</b>	<b>Watchdog Timer</b>
<ul style="list-style-type: none"><li>1* HDMI</li><li>2* USB2.0</li><li>2* RS232</li><li>1* RS232/422/485</li><li>1* SATA</li><li>1* mPCIe (full size, USB/PCIe signal)</li><li>1* mSATA (full size)</li><li>1* GPIO (4in/4 out)</li><li>1* SMBUS/ I2C</li><li>1* AT mode</li><li>1* SIM card holder</li><li>1* PS/2</li><li>1* TPM2.0 (option)</li></ul>	<ul style="list-style-type: none"><li>From Super I/O to drag RESETCON#</li><li>256 segments, 0,1,2...255sec</li></ul>
<b>Power</b>	<b>Compliance</b>
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
<b>Temperature</b>	<b>OS Support</b>
<ul style="list-style-type: none"><li>Operating: 0°C ~ 60°C (with 0.7m/s air flow)</li><li>Storage: -20°C ~ 85°C</li><li>Humidity: 10% ~ 90% RH @40°C (non-condensing)</li></ul>	Windows 10, Linux
<b>Warranty</b>	
2 Years Limited Warranty	

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

## Accessories

Parts Number	Description	Parts Number	Description
-----	JNF692K6 Series M/B	G01-SATA3-BL-1F	SATA cable
F04-MB-063-F	I/O shield	G01-PW4PS-2S-323F	SATA Power cable
F04-MB-064-F		G01-2X10A-HDMI-F	HDMI cable