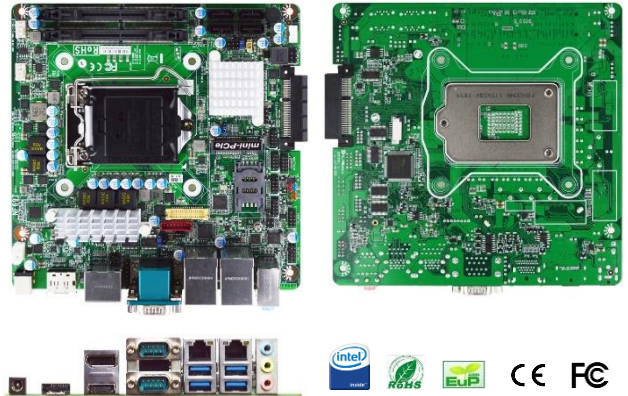


## JNF697-Q170

Intel® Skylake/Kabylake Processor, DDR4 up to 32GB, support Max. 4K display resolution

1. Intel® LGA1151 Skylake/Kabylake Processor (TDP 65W)
2. Intel® Q170 Express Chipset
3. 2\* DDR4 2133MHz SO-DIMM up to 32GB
4. Realtek ALC888S Audio CODEC
5. 2\* Intel GbE, 2\* External COM, 4\* internal COM, 4\* External USB3.0, 2\* Internal USB2.0
6. 2\* DP, 1\* HDMI, 1\* LVDS, support triple displays
7. 4\* SATAIII, 1\* Mini-PCIe, 1\* PCIe x4 side-slot, 1\* SIM card holder
8. 9 ~ 24V DC-in power



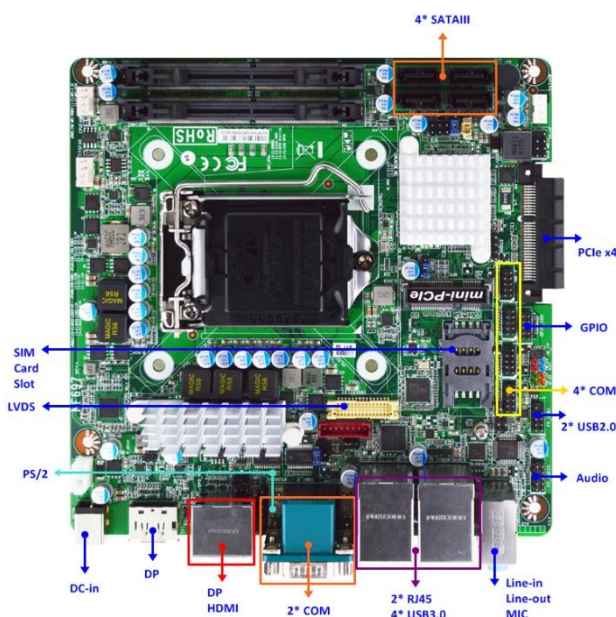
### Overview

The JETWAY JNF697-Q170 is Mini-ITX form factor board adopts the Intel® 6<sup>th</sup> generation Core i7/i5/i3, Pentium and Celeron Processor. The board supports two SO-DIMM DDR4 2133MHz memory, up to 32GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF697-Q170 offers two 10/100/1000Base-TX Ethernet devices for network transmission. Four SATAIII (6Gb/s) interface support RAID 0,1,5,10. One full size Mini PCIe slot, four USB3.0 ports, two USB2.0 ports and six COM port provide versatile expansion. The PCIe x4 slot (sideway) can support Jetway function card for different expansion. The JNF697-Q170 offers one HDMI1.4 port, two DP ports and one 24-bits Dual CH LVDS which can support 3 independent displays. Because of the above features, JNF697-Q170 is suitable for Edge Computing, Digital Signage, Industrial PCs, Factory Automation, Public Sector, Digital Security and Surveillance applications.

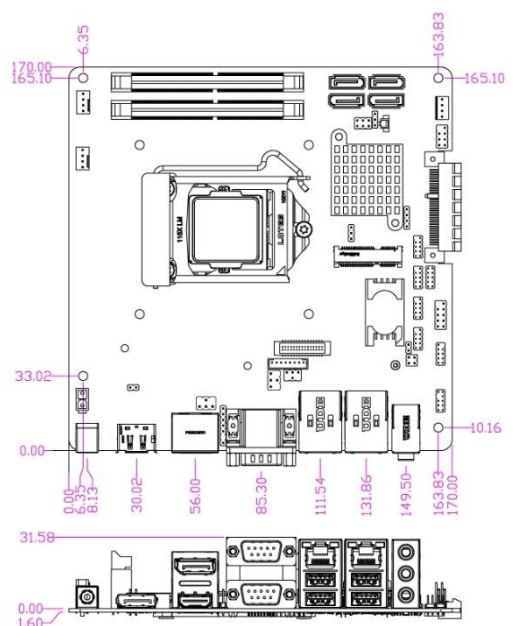
### Application

Edge Computing / Digital Signage / Industrial PCs / Factory Automation / Public Sector / Digital Security / Surveillance

### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

<b>Model</b> JNF697-Q170	<b>Form Factor</b> Mini-ITX (6.7-in * 6.7-in, 170 * 170mm)
<b>Processor System</b> <ul style="list-style-type: none"><li>Intel® 6<sup>th</sup> LGA 1151 Socket Core i7/i5/i3/Pentium/Celeron Processor (Max. 65W TDP)</li><li>Intel Q170 Express chipset</li></ul>	<b>Expansion Slot</b> <ul style="list-style-type: none"><li>1* full size Mini PCIe slot</li><li>1* PCIe4 slot (sideway)</li></ul>
<b>Memory</b> 2* Dual CH DDR4 DDR4 2133MHz SO-DIMM up to 32B	<b>Graphics</b> <ul style="list-style-type: none"><li>Intel® HD Graphics, shared memory</li><li>1* LVDS (Max Resolution: 1920x1200@60Hz)</li><li>1* HDMI 1.4 (Max Resolution: 4096x2160@24Hz)</li><li>2* DP (Max Resolution: 4096x2304@60Hz)</li><li>Support Triple Displays</li></ul>
<b>Ethernet</b> <ul style="list-style-type: none"><li>1* Intel i219LM GbE</li><li>1* Intel i211AT GbE</li></ul>	<b>Storage</b> 4* SATAIII (6Gb/s) support RAID 0, 1, 5, 10
<b>Rear I/O</b> <ul style="list-style-type: none"><li>1* HDMI</li><li>2* DP</li><li>2* RJ45</li><li>4* USB3.0</li><li>Line-in, Line-out, MIC</li><li>2* RS232/422/485</li></ul>	<b>Internal Connector</b> <ul style="list-style-type: none"><li>2* USB2.0</li><li>1* PS/2</li><li>1* LVDS / Inverter</li><li>4* COM</li><li>4* SATAIII</li><li>1* full size Mini PCIe</li><li>1* GPIO (8 bit)</li><li>1* Chassis intrusion</li><li>1* Audio Header</li><li>1* SMBUS</li><li>1* AT mode</li><li>Support onboard TPM2.0 (option)</li></ul>
<b>Audio</b> 6 channel HD audio: Realtek ALC888S	<b>Watchdog Timer</b> <ul style="list-style-type: none"><li>From Super I/O to drag RESETCON#</li><li>256 segments (10sec ~ 255min)</li></ul>
<b>Power</b> 9~24V DC-in, AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	<b>Compliance</b> CE, FCC, LVD, RoHS, REACH
<b>Temperature</b> <ul style="list-style-type: none"><li>Operating: 0°C ~ 60°C</li><li>Storage: -20°C ~ 85°C</li><li>Humidity: 10% ~ 90% RH @40°C (non-condensing)</li></ul>	<b>OS Support</b> 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.

## Standard Accessories

Parts Number	Description	Parts Number	Description
-----	JNF697-Q170 M/B	G01-COM-H2M20-1F	2* COM cable
F04-MB-053-F	JNF697 I/O shield	G01-SATA3-BL-1F	2* SATAIII cable
		G01-PW4PS-2S-323F	1* SATA Power cable