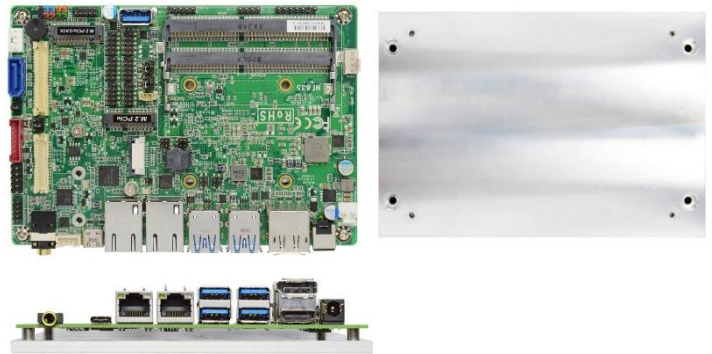


## JNF835V-10210U

*Intel® Comet Lake-U Series SoC Processor, Support DDR4 up to 64GB, Multiple COM port, Type C USB3.1 (Gen2), Dual LAN, Support Intel CNVi*

1. Intel® Comet Lake-U SoC Processor (TDP 15W)
2. 2\* DDR4 2400MHz SO-DIMM up to 64GB
3. 1\* GbE, 1\* 2.5GbE
4. 1\* HDMI, 1\* DP, 1\* eDP, 1 \* 24-bits Dual CH LVDS
5. 6\* COM (COM1 support RS232/422/485),  
4\* USB3.1 (Gen.2), 1\* USB3.1(Gen.2) for Type C,  
1\* USB3.1 (Gen.2) for Vertical type, 3\* USB2.0
6. 1\* M.2 M-key (2242/2280, PCIe3.0 x4/SATA interface) support NVMe, 1\* M.2 E-key (2230 w/ CNVi)
7. 1\* SATA III (6Gb/s)
8. Support onboard TPM 2.0



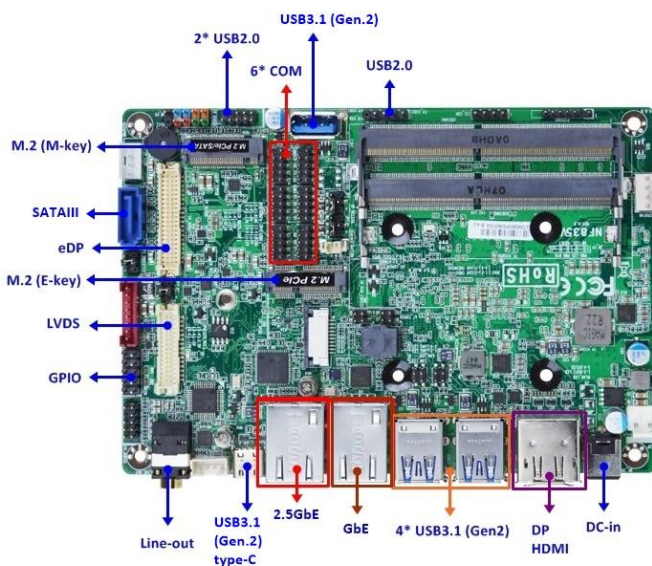
### Overview

The JETWAY JNF835V-10210U is 3.5" form factor board adopts the Intel® Comet Lake-U SoC Processors. The board supports two SO-DIMM DDR4 2400MHz memory, up to 64GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF835V-10210U offers one 10/100/1000Base-TX & one 10/100/1000/2500Base-TX Ethernet devices for network transmission. One SATAIII (6Gb/s) interface and one M.2 M-key offer storage devices. One four USB3.1 Gen.2 ports, one USB3.1 (Gen.2) ports for Type C, one USB3.1 (Gen.2) for Internal Vertical connector, three USB2.0 ports and six COM ports provide versatile expansion. The M.2 E-key can support WIFI/3G/4G and Intel CNVi interface. The JNF835V-10210U offers one HDMI1.4 port, one DP1.4 port, one eDP port and one 24-bits Dual CH LVDS which can support 3 independent displays. Because of the above features, JNF835V-10210U is suitable for Digital Signage, Industrial PCs, Factory Automation, IOT Solution applications.

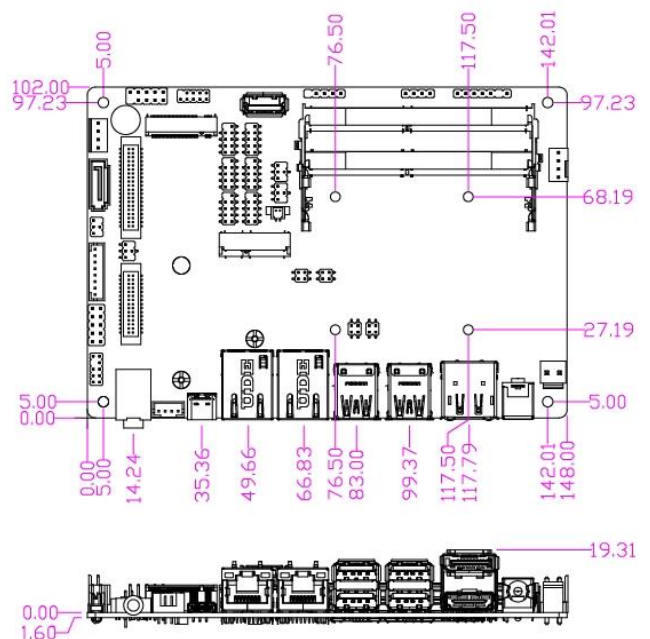
### Application

Digital Signage / Industrial PCs / Factory Automation /Retail Solution

### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

<b>Model</b>	<b>Form Factor</b>
<ul style="list-style-type: none"><li>JNF835V-10210U</li></ul>	3.5" (5.8-in * 4.0-in, 148 * 102mm)
<b>Processor System</b>	<b>Expansion Slot</b>
<ul style="list-style-type: none"><li>Intel® Comet Lake-U SoC Processor (TDP 15W)</li><li>AMI Flash ROM BIOS</li></ul>	<ul style="list-style-type: none"><li>M.2 E-key (2230) Support CNVi</li></ul>
<b>Memory</b>	<b>Graphics</b>
2* SO-DIMM DDR4 2400MHz Dual CH SDRAM non-ECC up to 64GB	<ul style="list-style-type: none"><li>Intel® HD Graphics, shared memory</li><li>1* eDP (Max Resolution: 4096x2304@60Hz)</li><li>1* LVDS (Max Resolution: 1920x1200@60Hz)</li><li>1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)</li><li>1* DP (Max Resolution: 4096x2304@60Hz)</li><li>Support Triple Displays</li></ul>
<b>Ethernet</b>	<b>Audio</b>
<ul style="list-style-type: none"><li>1* Intel i219LM GbE</li><li>1* Intel i225V 2.5GbE</li></ul>	<ul style="list-style-type: none"><li>6 channel HD audio: Realtek ALC888S</li><li>3W AMP speaker</li></ul>
<b>Storage</b>	<b>Rear I/O</b>
<ul style="list-style-type: none"><li>1* SATAIII (support RAID 0/1 with M.2 M-key SATA interface)</li><li>M.2 M-key (2242/2280, PCIe3.0 x4/SATA interface) support NVMe</li></ul>	<ul style="list-style-type: none"><li>4* USB3.1(Gen2)</li><li>1* USB3.1(Gen2) Type C</li><li>1* DP</li><li>1* HDMI</li><li>2* RJ45</li><li>Line-Out</li><li>DC-IN (9-24V)</li></ul>
<b>Internal Connector</b>	<b>Watchdog Timer</b>
<ul style="list-style-type: none"><li>1* USB3.1 (Gen.2) Vertical connector</li><li>3* USB 2.0</li><li>1* PS/2</li><li>1* LVDS / Inverter (selection w/eDP)</li><li>1* eDP (selection w/LVDS)</li><li>1* RS232/422/485</li><li>5* RS232</li><li>1* SATAIII</li><li>1* GPIO (8 bit)</li><li>1* Chassis intrusion</li><li>1* Audio Header</li><li>1* I2C</li><li>1* AT mode</li><li>Support onboard TPM2.0</li></ul>	<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>	<b>Compliance</b>
DC-IN 9-24V - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	CE, FCC, LVD, RoHS, REACH
<b>Temperature</b>	<b>Warranty</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>	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
-----	JNF835V-10210U M/B	G01-PW4PS-2S-323F	1* SATA Power Y cable
G01-COM-H2M20-1F	2* COM cable	G01-SATA3-BL-1F	1* SATA cable
HCS3XXMHT03S-1F	1* Flat type Heatsink		