

# JLI1U-20 Series

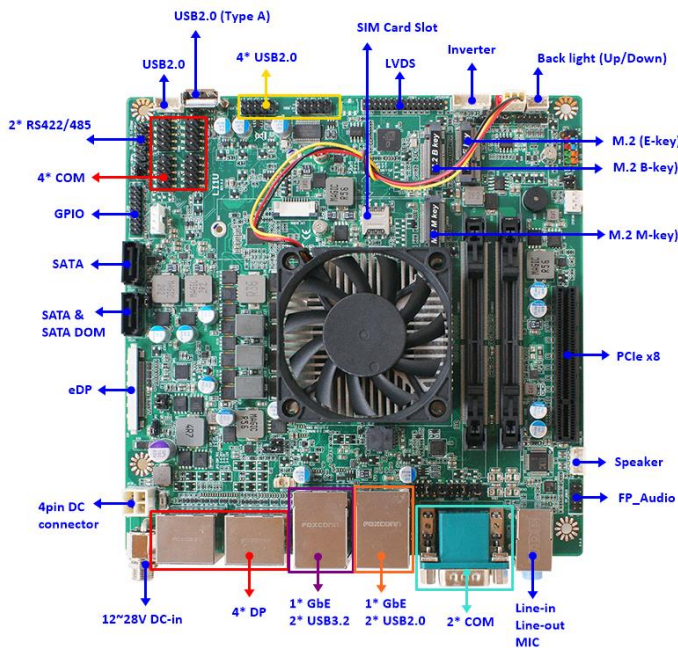
AMD™ RYZEN™ Embedded V-Series V1605B CPU, DDR4 up to 32GB

## Features

1. AMD™ RYZEN™ V1605B 2.0GHz/QC Core Processor
2. 2\* DDR4 2400MHz up to 32GB
3. 2\* Realtek® RTL8111H GbE
4. 2\* SATA III (6Gb/s), 1\* M.2 M key (PCIe x2)
5. 4\* DP(DP0 Co-lay eDP, DP1 Co-lay LVDS)
6. 2\* RS232/422/485, 4\* RS232, 2\* USB3.2 (Gen1), 8\* USB2.0
7. 1\* M.2 E key, 1\* M.2 B key support 4G/5G Module
8. 12~28V DC-in
9. MINI ITX Form Factor (170 \*170 mm)
10. JLI1U-22 support TPM2.0 (option)



## I/O Diagram



## Mechanical Drawings (Unit=mm)



## Specifications

<b>Model</b> <ul style="list-style-type: none"><li>JLI1U-20</li><li>JLI1U-22 (TPM2.0)</li></ul>	<b>Form Factor</b> <p>MINI ITX ( 170 * 170mm)</p>
<b>Processor System</b> <ul style="list-style-type: none"><li>AMD™ (RYZEN™) Core V1000 Series Processor</li><li>V1605B QC, 2.0GHz,15W, Co-lay V1000/R1000 series</li><li>AMI 128M Flash ROM</li></ul>	<b>Memory</b> <p>2* DDR4 2400MHz SO-DIMM up to 32GB</p>
<b>Storage</b> <ul style="list-style-type: none"><li>2* SATAIII (6 Gb/s, SATA1 Support SATA DOM)</li><li>1* M.2 M-key (2242/2280, PCI-Ex2)</li></ul>	<b>Expansion</b> <ul style="list-style-type: none"><li>1* M.2 E-key (2230, support WIFI/BT Module)</li><li>1* M.2 B-key (3042/3052, support 4G/5G Module)</li><li>1* PCIe x8 slot</li><li>1* SIM Card Slot (NANO)</li></ul>
<b>Ethernet</b> <p>2* Realtek® RTL8111H GbE</p>	<b>Graphics</b> <ul style="list-style-type: none"><li>AMD™ Vega Core Architecture controller, shared memory</li><li>4* DP1.4 (Max Resolution : 4096x2160@60Hz or 3840x2160@120Hz)</li><li>1* eDP1.4 (Max Resolution : 3840x2160@60Hz, Co-lay DP0)</li><li>1* LVDS (Max Resolution : 2560x1600@60Hz, Co-lay DP1)</li><li>Support Four Displays</li></ul>
<b>Audio</b> <ul style="list-style-type: none"><li>Realtek® HD Audio</li><li>3W Speaker Amplifier</li></ul>	<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>Internal I/O</b> <ul style="list-style-type: none"><li>6* USB2.0 (4* PH2.54, 1* PH2.0, 1* Type A)</li><li>4* RS232</li><li>2* SATAIII</li><li>3* M.2 (1* M key,1* E key, 1* B key)</li><li>1* GPIO (16 bit, 5V)</li><li>1* AT mode</li><li>1* I2C/SMBUS</li><li>1* PS2</li><li>1* Case Open</li><li>1* Speaker</li></ul>	<b>External I/O</b> <ul style="list-style-type: none"><li>4* DP</li><li>2* RJ45</li><li>2* USB 3.2 (Gen1)</li><li>2* USB2.0</li><li>2* RS232/422/485</li><li>1* Audio jack</li><li>12~28V DC-in</li></ul>
<b>Power</b> <p>12~28V DC-in, AT/ATX Supported</p> <ul style="list-style-type: none"><li>- AT: Directly PWR on as Power input ready</li><li>- ATX: Press Button to PWR on after Power input ready</li></ul>	<b>Compliance</b> <p>CE, FCC, RoHS, REACH</p>
<b>Temperature</b> <ul style="list-style-type: none"><li>Operating Temperature: 0 ~ 60° C</li><li>Storage Temperature: -20 ~ 70° C</li><li>Humidity: 10% ~ 90% RH @40°C (non-condensing)</li></ul>	<b>OS Support</b>
<b>Warranty</b> <p>2 Years limited warranty</p>	

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

## Standard Accessories

Part Number	Description
JLI1U-20	JLI1U-20 M/B
JLI1U-22	JLI1U-22 M/B (TPM2.0)
G01-SATA3-BL-1F	SATA3 Cable
G01-PW4PS-2S-323F	Y-Power cable
G01-COM-H2M20-1F	COM cable