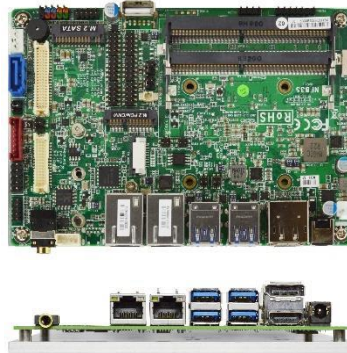


JNF835-5205U

Intel® Comet Lake-U Series SoC Processor, Support DDR4 up to 32GB, Multiple COM port, Dual LAN

1. Intel® Comet Lake 5205U (Dual Core, 1.9GHz) SoC Processor (TDP 15W)
2. 2* DDR4 2400MHz SO-DIMM up to 32GB
3. 2* 10/100/1000 Base-TX Ethernet Ports
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.1, 3* USB2.0 (1 Vertical type connector)
6. 1* M.2 M-key (2242/2260/2280) SATA interface, 1* M.2 E-key (2230 w/ CNVi)
7. 1* SATA III (6Gb/s)
8. Support onboard TPM 2.0 (option)



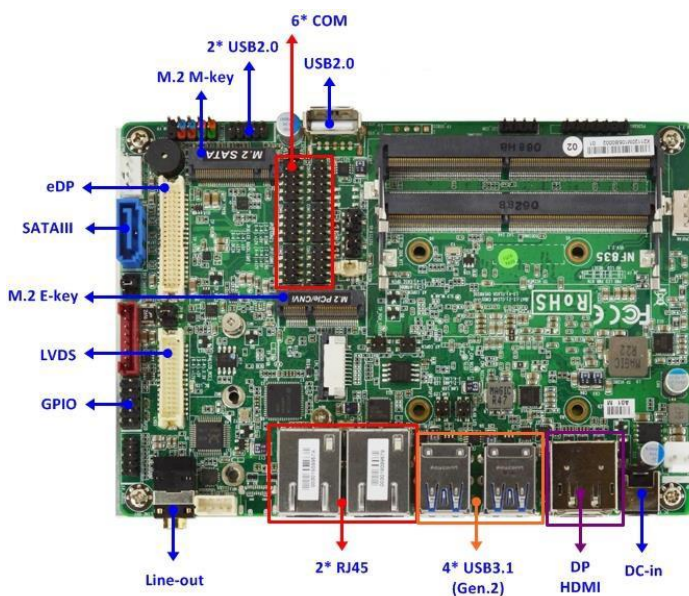
Overview

The JETWAY JNF835-5205U is 3.5" form factor board adopts the Intel® Comet Lake 5205U SoC Processors. The board supports two SO-DIMM DDR4 2400Mhz memory, up to 32GB. Featuring the integrated Intel® Gigabit Ethernet controller, the JNF835-5205U offers two 10/100/1000Base-TX Ethernet devices for network transmission. One SATAIII (6Gb/s) interface and one M.2 M-key offer storage devices. Four USB3.1 Gen.1 ports, 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 JNF835 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, JNF835-5205U is suitable for Digital Signage, Industrial PCs, Factory Automation, IOT Solution applications.

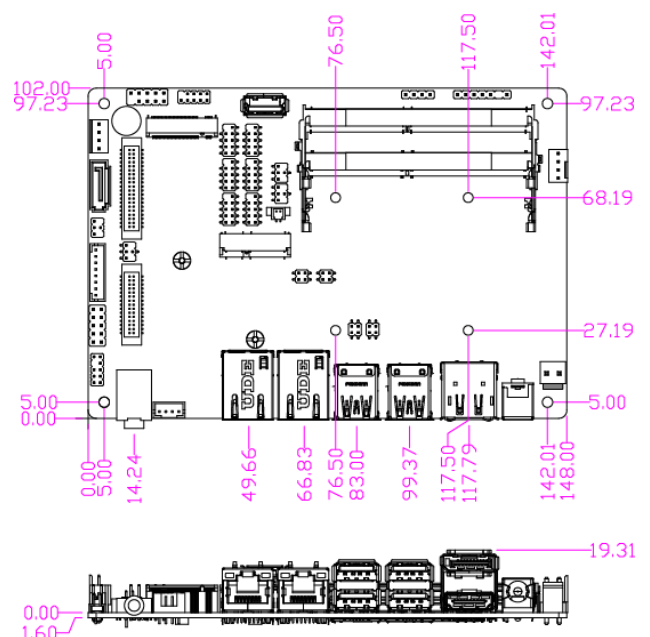
Application

Digital Signage / Industrial PCs / Factory Automation /Retail Solution

I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model JNF835-5205U	Form Factor 3.5" (5.8-in * 4.0-in, 148 * 102mm)
Processor System <ul style="list-style-type: none">Intel® Comet Lake 5205U (Dual core, 1.9GHz) SoC Processor (TDP 15W)AMI Flash ROM BIOS	Expansion Slot <ul style="list-style-type: none">M.2 M-key (2242/2260/2280) Support SATA interfaceM.2 E-key (2230) Support CNVi
Memory 2* SO-DIMM DDR4 2400MHz Dual CH SDRAM non-ECC up to 32GB	Graphics <ul style="list-style-type: none">Intel® HD Graphics, shared memory1* eDP (Max Resolution: 4096x2304@60Hz)1* LVDS (Max Resolution: 1920x1200@60Hz)1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)1* DP (Max Resolution: 4096x2304@60Hz)Support Triple Displays
Ethernet 2* Intel GbE (1* i219LM, 1* i211AT)	Audio <ul style="list-style-type: none">6 channel HD audio: Realtek ALC662VD3W AMP speaker
Storage 1* SATAIII	Rear I/O <ul style="list-style-type: none">4* USB3.1(Gen1)1* DP1* HDMI2* EthernetLine-outDC-in (9-24V)
Internal Connector <ul style="list-style-type: none">1* USB2.0 Vertical conn, 2* USB 2.01* PS/21* LVDS / Inverter (selection w/eDP)1* eDP (selection w/LVDS)1* RS232/422/485, 5* RS2321* SATAIII1* GPIO (8 bit)1* Chassis intrusion1* Audio Header1* SMBUS1* AT modeSupport onboard TPM2.0(option)	Watchdog Timer <ul style="list-style-type: none">From Super I/O to drag RESETCON#256 segments (10sec ~ 255min)
Power DC-IN 9-24V - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready	Compliance CE, FCC, LVD, RoHS, REACH
Temperature <ul style="list-style-type: none">Operating: 0°C ~ 60°CStorage: -20°C ~ 85°CHumidity: 10% ~ 90% RH @40°C (non-condensing)	Warranty 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
-----	JNF835-5205U M/B	G01-PW4PS-2S-323F	SATA Power cable
		G01-SATA3-BL-1F	SATA cable