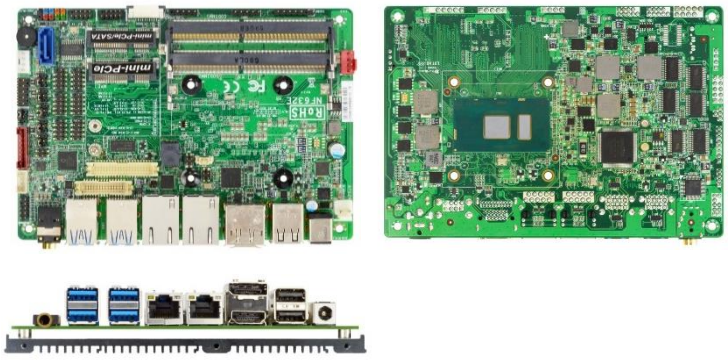
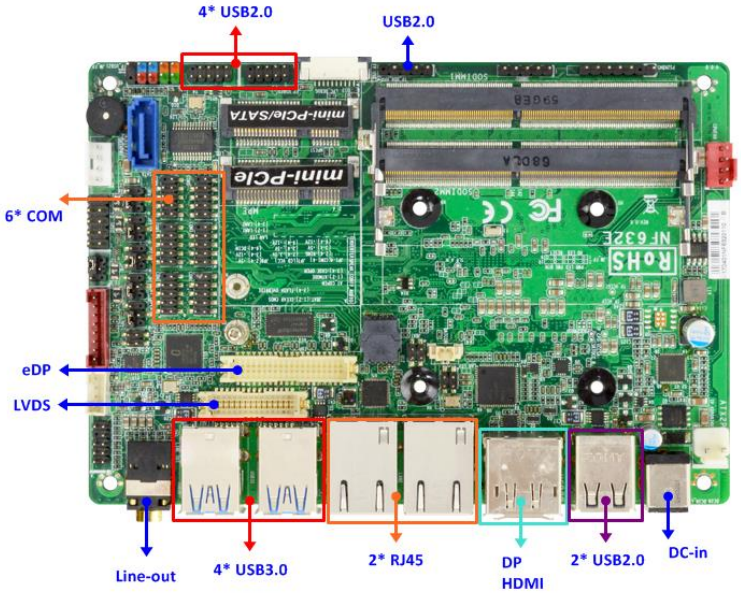
JNF632N Series

Intel® Skylake-U/Kabylake-U SoC CPU, DDR4 up to 32GB, support 4K display resolution, Support Wide Voltage 9~24V DC-in

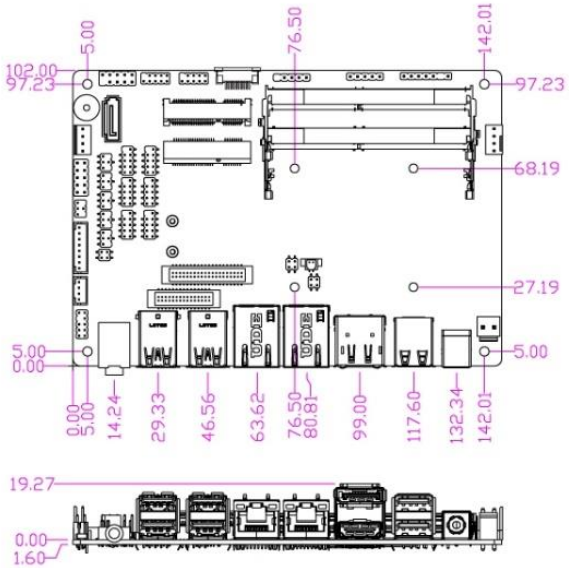
1. Intel® Skylake-U/ Kabylake-U SoC Processor (Default: i5-7300U, TDP 15W)
2. 2* DDR4 SO-DIMM slot up to 32GB
3. Support DP, HDMI, eDP/LVDS (triple display)
4. Realtek ALC888S Audio CODEC
5. 1* SATAIII, 1* mSATA (shared with mPCIe), 1* full size mPCIe (shared with mSATA), 1* half size mPCIe
6. 5* Internal RS232, 1* Internal RS232/422/485, 4* External USB3.0, 2* External USB1.1/2.0, 5* Internal USB1.1/2.0, 2* GbE
7. Support Wide Voltage 9~24V DC-in



I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model
- JNF632N-3955U
- JNF632N-7200U
- JNF632N-7300U (Default)

Form Factor
3.5” SBC (148 * 102mm)

Processor System
- Intel® Skylake-U/Kabylake-U SoC Processor (TDP 15W)
- Intel 7300U SoC chipset
- AMI 128Mb SMT Flash ROM BIOS

Expansion Slot
- 2* Mini PCIe (1* full size, shared with mSATA, 1* half size)
- 1* mSATA (full size, shared with mPCIe)

Memory
2* Dual CH DDR4 2133MHz SDRAM SO-DIMM up to 32GB

Graphics
- Intel® HD Graphics, shared memory
- 1* LVDS (Max. 1920 x 1200@60Hz resolution) (Selectable with eDP, not working while using LVDS)
- 1* eDP1.3 (Max. 4096 x 2304@60Hz resolution) (Selectable with LVDS, not working while using eDP)
- 1* HDMI1.4 (Max. 4096 x 2160@24Hz resolution)
- 1* DP1.2 (Max. 4096 x 2304@60Hz resolution)
- Support Triple Displays

Ethernet
- 1* Intel® i219LM GbE
- 1* Intel® i211AT GbE

Audio
2 channel HD audio: Realtek ALC888S

SATA
1* SATAIII (6.0Gb/s)

Rear I/O
- 1* HDMI
- 1* DP
- 2* RJ45
- 4* USB3.0
- 2* USB2.0
- Line-out
- DC-in

Internal Connector
- 5* USB 2.0
- 1* PS/2
- 1* LVDS (Selectable with eDP, not working while using LVDS)
- 1* eDP (Selectable with LVDS, not working while using eDP)
- 5* RS232
- 1* RS232/422/485
- 1* SATAIII (6.0Gb/s)
- 1* Mini PCIe (full size, shared with mSATA), 1 (half size)
- 1* mSATA (shared with mPCIe)
- 1* GPIO (8 bit)
- 1* Chassis intrusion
- 1* Audio Header
- 1* SMBUS/ I2C
- Support onboard TPM2.0 (option)

Watchdog Timer
- From Super I/O to drag RESETCON#
- 256 segments (10sec ~ 255min)

Power
DC-in 9~24V, ATX Supported
- ATX: Press Button to PWR on after Power input ready

Compliance
CE, FCC, RoHS, REACH

Temperature
- Operating: 0°C ~ 60°C
- Storage: -20°C ~ 85°C
- Humidity: 10% ~ 90% RH @40°C (non-condensing)

OS Support
Windows 7, 8, 10, Linux

Warranty
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
----------	JNF632N Series M/B	G01-SATA3-BL-1F	1* SATA cable
G01-COM-H2M20-1F	2* COM cable	G01-PW4PS2S-322-1F	1* SATA Power cable
HCS366MHT01B-F	1* Black Fin type Heatsink		

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