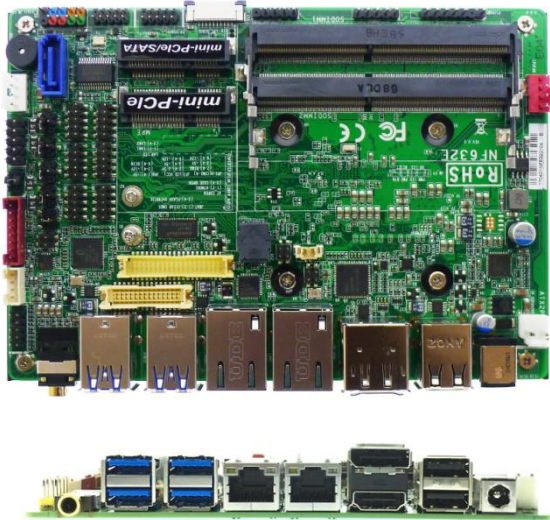


JNF632E Series

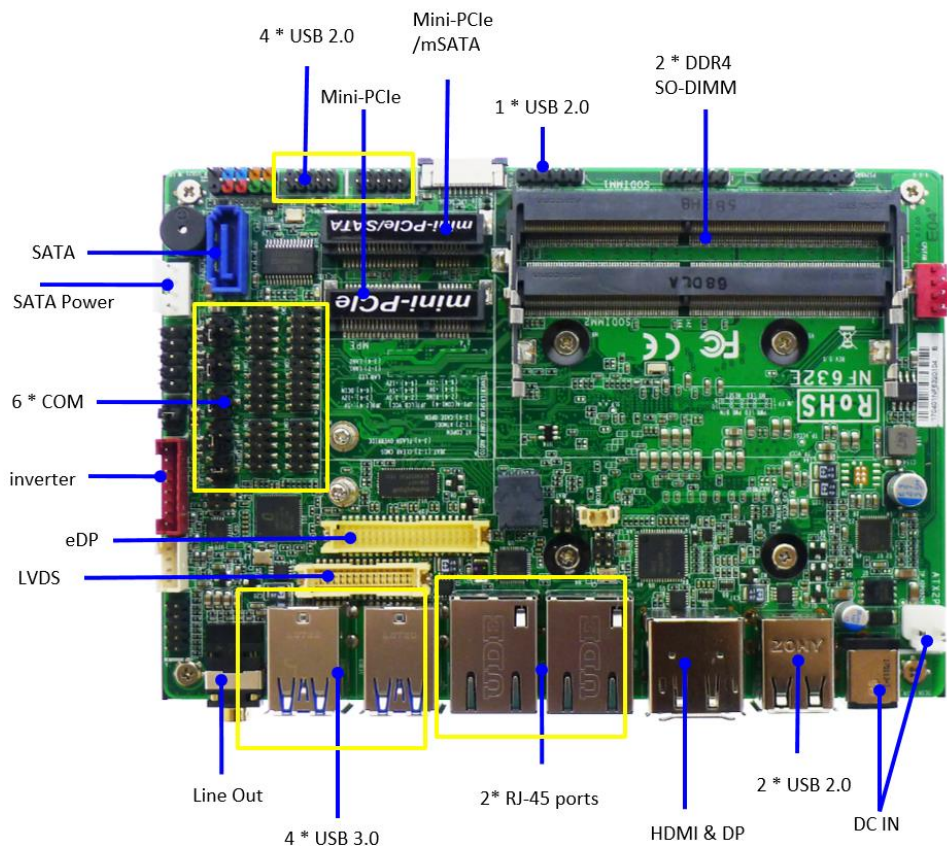
Intel® Skylake-U/Kabylake-U SoC CPU, DDR4 up to 32GB, support max 4K display resolution



1. Intel® Skylake-U / Kabylake-U SoC Processor (Default: i5-7300U, TDP 15W)
2. Support 2 * DDR4 SO-DIMM slot, up to 32GB
3. Support DisplayPort, HDMI and eDP/LVDS (triple display)
4. Intel Gigabit LAN, 2 * RJ45 ports
5. Realtek ALC662 Audio CODEC
6. 1 * Serial ATAIII (6Gb/s) and 1 * mSATA (shared with mPCIe)
7. 5 * Internal RS232 & 1 * Internal RS232/422/485)
8. 4 * External USB3.0, 2 * External USB1.1/2.0 & 5 * Internal USB1.1/2.0
9. 1 * full size mPCIe (shared with mSATA), 1 * half size



Internal Diagram



Specifications

Form Factor	
Dimensions	- 3.5" SBC (148 * 102mm)
Part No.	
Part No.	- JNF632E-3855U - JNF632E-7200U - JNF632E-7300U (Default)
Processor System	
CPU	- Intel® Skylake-U/Kabylake-U SoC Processor (TDP 15W)
Core Number	- by CPU
Max Speed	- by CPU
L2 Cache	- by CPU
Chipset	- SoC
BIOS	- AMI 128Mb SMT Flash ROM
Expansion Slot	
Mini-PCIe	- 1 (full size, shared with mSATA) & 1 (half size)
mSATA	- 1 (full size, shared with mPCIe)
Memory	
Technology	- Dual CH DDR4 2133MHz SDRAM
Max.	- 32GB
Socket	- 2 * SO-DIMM
Graphics	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
LVDS	- 1 (Max. 1920 x 1080@60Hz resolution) (Selectable with eDP, not working while using LVDS)
eDP 1.3	- 1 (Max. 4096 x 2304@60Hz resolution) (Selectable with LVDS, not working while using eDP)
HDMI 1.4	- 1 (Max. 4096 x 2160@24Hz resolution)
DisplayPort 1.2	- 1 (Max. 4096 x 2304@60Hz resolution)
MultiDisplay	- Yes (Triple Displays)
Ethernet	
Ethernet	- 10/100/1000 Mbps
Controller	- 1 * Intel® i219LM GbE, 1 * Intel® i211AT GbE
Connector	- 2 * RJ45
Audio	
CODEC	- HD Audio: Realtek ALC662VD

Channel	- 2 Channel
SATA	
Max Data Transfer Rate	- 1 * SATAIII (6.0Gb/s)
Rear I/O	
HDMI	- 1
DisplayPort	- 1
Ethernet	- 2
USB	- 4 * USB 3.0 & 2 * USB 2.0
Audio	- 1 (Line-out)
DC-input	- 1
Internal Connector	
USB	- 5 * USB 2.0
PS/2	- 1
LVDS / inverter	- 1 (Selectable with eDP, not working while using LVDS)
eDP	- 1 (Selectable with LVDS, not working while using eDP)
Serial	- 6 (5 * RS232, COM1 support RS232/422/485)
SATA	- 1 * SATAIII (6.0Gb/s)
mPCIe	- 1 (full size, shared with mSATA), 1 (half size)
mSATA	- 1 (shared with mPCIe)
GPIO	- 1 (8 bit)
Chassis intrusion	- 1
Audio Header	- 1
SMBUS/ I2C	- 1
AT mode	- 1
TPM	- 1 (on board option)
Others	- 0
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments, 10sec...255min
Power Requirements	
Input PWR	- +9~24V DC-in
Power On	AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	- CE, FCC, RoHS, REACH
Environment	
Temperature	- Operating: 0°C ~ 60°C

	- Storage: -20°C ~ 85°C
Warranty	
Warranty	- 2 Years Limited Warranty

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

Accessories

Part Number	Description
	JNF632E Series M/B
G01-SATA3-BL-1F	SATA cable
G01-PW4PS-2S-322F	SATA Power cable