

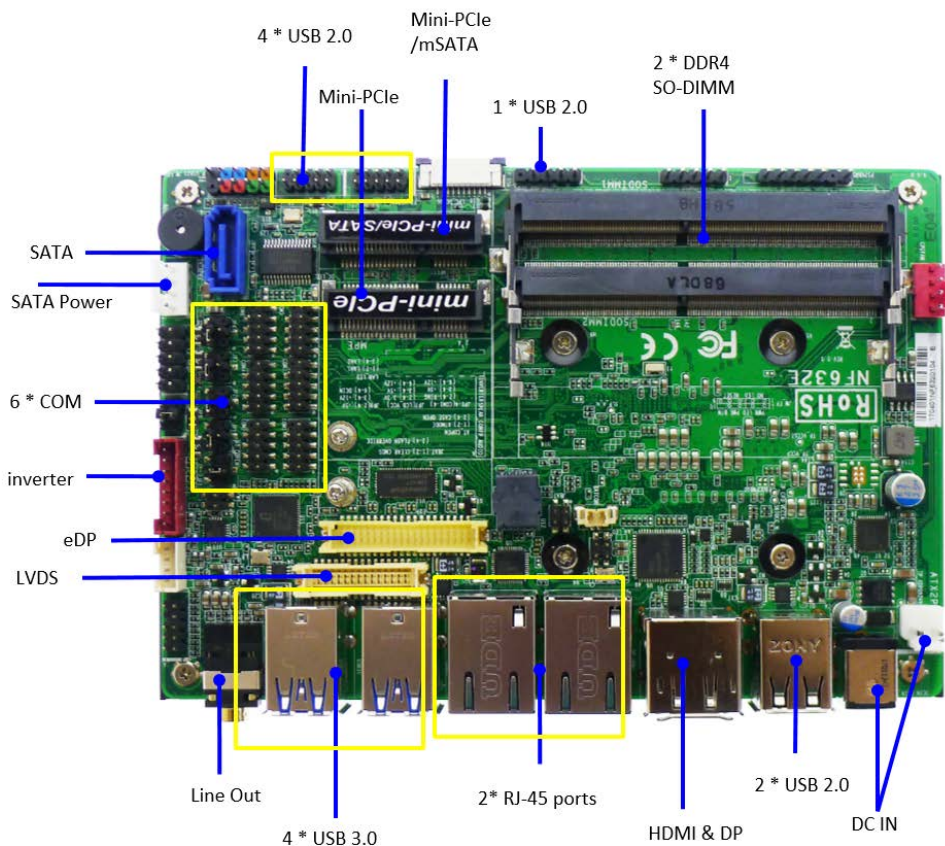
## NF632E Series

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



1. Intel® Skylake U / Kabylake U Processor (TDP 15W)
2. Support 2 \* DDR4 SO-DIMM slot, up to 32GB
3. Support Display Port , 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 mPCIe
10. Support TPM 1.2 (option)
11. 9 ~ 24V DC-in Jack
12. 3.5" SBC Form Factor (148mm \* 102mm)

### Internal Diagram



# Specifications

<b>Form Factor</b>	
Dimensions	- 3.5" SBC (148 * 102mm)
<b>Processor System</b>	
CPU	- Intel® Skylake/Kabylake U Processor (TDP 15W, default CPU: i5-6200U, i5-6300U, Celeron 3855U)
Core Number	- i5-6200U : 2 - i5-6300U : 2 - Celeron 3855U : 2
Max Speed	- i5-6200U : 2.8GHz - i5-6300U : 3.0GHz - Celeron 3855U : 1.6GHz
L2 Cache	- i5-6200U : 3MB - i5-6300U : 3MB - Celeron 3855U : 2MB
Chipset	- SoC
BIOS	- AMI 128Mb Flash ROM
<b>Expansion Slot</b>	
PCI	- 0
Mini-PCIe	- 1 (full size, shared with mSATA) & 1 (half size)
mSATA	- 1 (full size, shared with mPCIe)
PCIe	- 0
M.2	- 0
CFast Card Socket	- 0
CF Card Socket	- 0
SIM Card Holder	- 0
<b>Memory</b>	
Technology	- Dual CH DDR4 2133MHz SDRAM
Max.	- 32GB
Socket	- 2 * SO-DIMM
<b>Graphics</b>	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
VGA	- 0
LVDS	- 1 (max. 1920 x 1080@60Hz resolution)
eDP 1.3	- 1 (max. 4096 x 2304@60Hz resolution)
HDMI 1.4	- 1 (max. 4096 x 2160@24Hz resolution)

DVI-D	- 0
DisplayPort 1.2	- 1 (max. 4096 x 2304@60Hz resolution)
MultiDisplay	- Yes (Triple Displays)
<b>Ethernet</b>	
Ethernet	- 10/100/1000 Mbps
Controller	- 2 * Intel® Gigabit LAN
Connector	- 2 * RJ 45
<b>Audio</b>	
CODEC	- HD Audio : Realtek ALC662VD
Channel	- 2 Channel
<b>SATA</b>	
Max Data Transfer Rate	- 1 * SATAIII (6.0Gb/s)
<b>Rear I/O</b>	
VGA	- 0
DVI-D	- 0
HDMI	- 1
DisplayPort	- 1
Ethernet	- 2
USB	- 4 * USB 3.0 & 2 * USB 1.1/2.0
Audio	- 1 (Line-out)
Serial	- 0
eSATA	- 0
PS/2	- 0
DC-input	- 1
<b>Internal Connector</b>	
USB	- 5 * USB 2.0
PS/2	- 1
LVDS / inverter	- 1 (co-lay eDP)
eDP	- 1 (co-lay LVDS)
VGA	- 0
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)
Parallel	- 0
mSATA	- 1 (shared with mPCIe)
M.2	- 0
GPIO	- 1 (8 bit)

Chassis intrusion	- 1
Audio Header	- 1
SMBUS/ I2C	- 1
AT mode	- 1
TPM Header	- 1 (on board option)
Others	- 0
<b>Watchdog Timer</b>	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments, 10sec...255min
<b>Power Requirements</b>	
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
<b>Certifications</b>	
Certifications	- CE, FCC, RoHS, REACH
<b>Environment</b>	
Temperature	- Operating: 0°C ~ 60°C
	- Storage: -20°C ~ 85°C
<b>Warranty</b>	
Warranty	- 2 Years Limited Warranty
<b>Packing</b>	
Packing	- Net Weight: - Gross Weight: - Color Box dimension:

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

## Optional Accessories

Part Number	Description
	NF632E
G03-NF632E-F	IPC NF632E User's Manual
G02-DVD22-A12-WF	CD Driver
G01-SATA3-BL-1F	SATA cable
G01-PW4PS-2S-322F	SATA Power cable



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