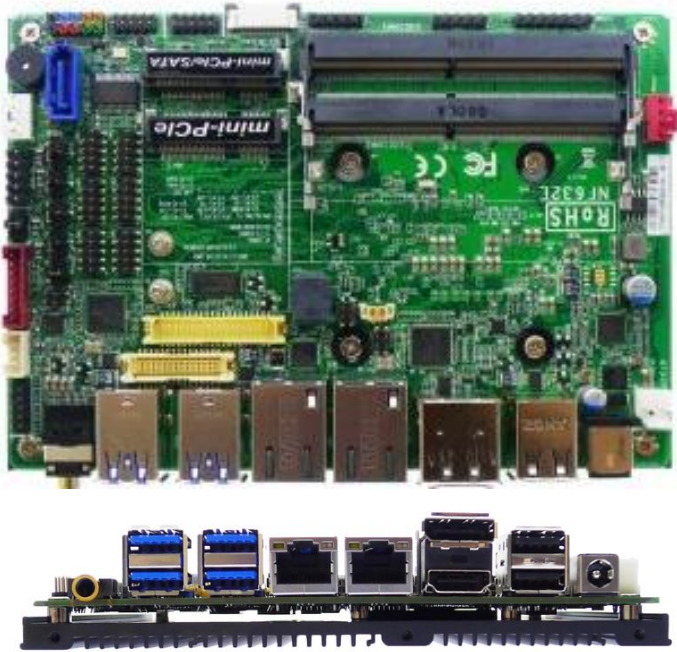


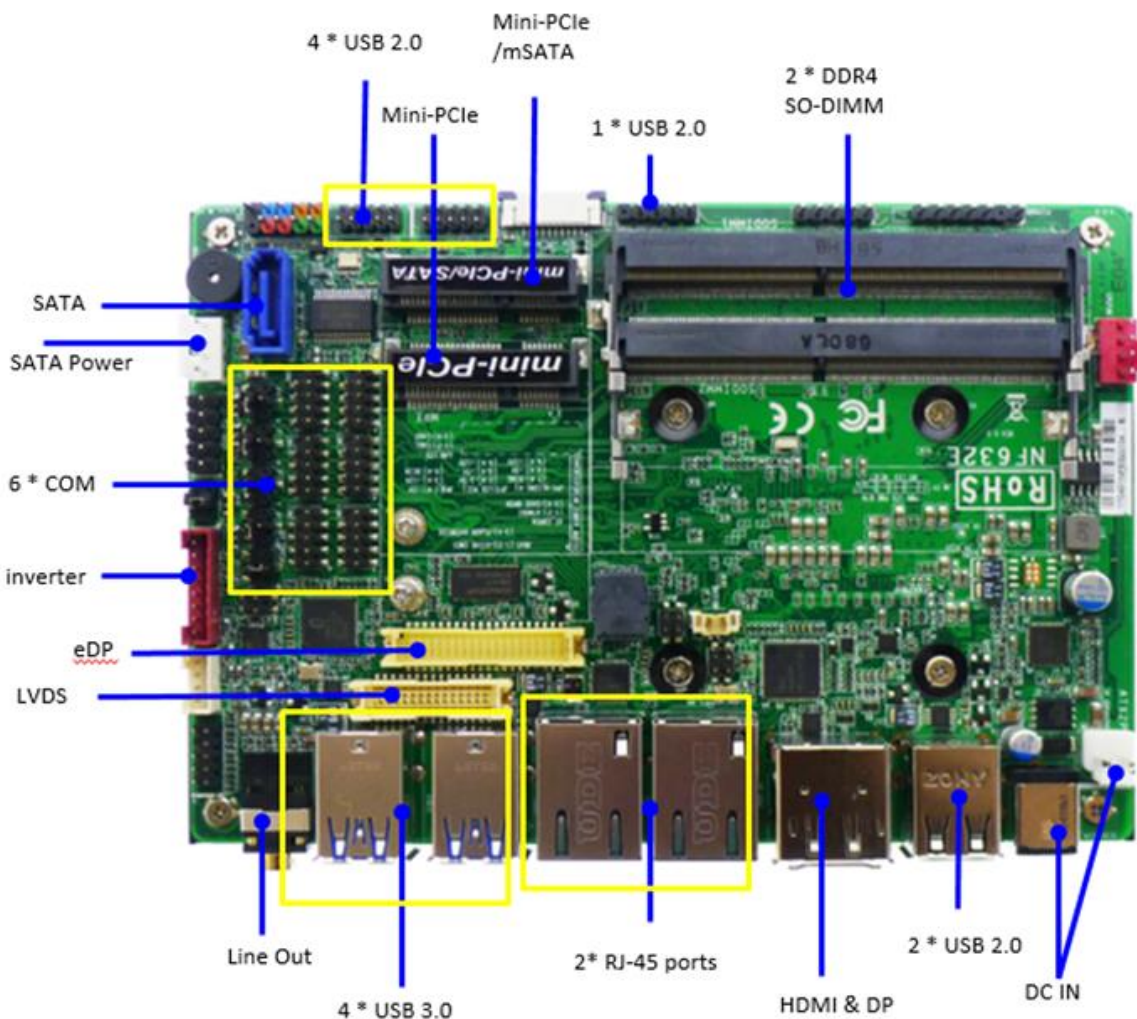
# NF632E

3.5" SBC Industrial Motherboard / Intel i5-6300U  
4K / DP+HDMI+LVDS/eDP / 2 Intel GbE / 9V-24V



## Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q3'2022
2. CPU on Bottom for Easy Integration into Fanless Systems
3. Intel Core i5-6300U SoC, 2.4GHz, Dual-Core, 15W
4. 2 \* DDR4-2133 SODIMM Slots up to 32GB Total
5. Up to 3 Displays, DP 4K, HDMI 4K, 24bit LVDS/eDP
6. 1 \* SATA3 6Gb/s Port, 1 \* Half-size Mini-PCIE Slot
7. 1 \* Full-size mSATA/Mini-PCIE Shared Slot
8. 2 \* Intel Gigabit LAN, Supporting iAMT, HD Audio
9. 6 \* Serial Headers, 8-bit GPIO, Watchdog Timer
10. 4 \* USB 3.0 Ports, 9V - 24V DC-In Jack or 2-pin Internal
11. Firmware fTPM 2.0, OEM Option: Onboard TPM 1.2 or 2.0
12. 3.5" SBC Form Factor (148mm x 102mm)
13. Ships with passive heatsink installed for bench testing



|                        |   |
|------------------------|---|
| <b>Model / Series</b>  | ■ NF632E  |
| <b>Part No</b>         | ■ JNF632E-6300U   |
| <b>Processor</b>       | ■ Intel Core i5-6300U SoC, 2.4GHz – 3.0GHz burst, Dual-Core, 15W TDP, Skylake-U   |
| <b>Chipset</b>         | ■ SoC   |
| <b>Video</b>           | ■ Intel HD Graphics 520, 300MHz – 1,0GHz  |
| <b>Memory</b>          | ■ 2 * 260-pin SO-DIMM slots supporting DDR4-2133 up to 32GB total   |
| <b>Expansion Slots</b> | ■ 1 * mini-PCI Express slot (Half-size)   |
| <b>Storage</b>         | ■ 1 * SATA3 6Gb/s port<br>■ 1 * Shared mSATA/mini-PCI Express slot (Full-size)  |
| <b>Audio</b>           | ■ Realtek ALC662 HD Audio, L+R 3W Amplifier Header  |
| <b>Network</b>         | ■ Intel i211-AT Gigabit LAN, Intel i219-LM Gigabit LAN supporting iAMT & vPro   |
| <b>Other Features</b>  | ■ fTPM 2.0, ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec   |
| <b>Rear Panel I/O</b>  | ■ 4 * USB 3.0 ports, 2 * USB 2.0 ports<br>■ 2 * RJ-45 ports<br>■ DisplayPort (4096 x 2304 @60Hz), HDMI port (4096x2160 @24Hz)<br>■ Line Out (w/ Optical SPDIF Out)<br>■ 9V – 24V DC-in jack   |
| <b>Front Panel I/O</b> | ■ Front Panel Header  |
| <b>Internal I/O</b>    | ■ 3 * USB Header for 5 * USB 2.0 ports<br>■ eDP/24bit Dual Channel LVDS header & Inverter, SMBUS Header<br>■ 6 * Serial port headers (5 * RS232, 1 * RS232/422/485), 1 * PS2 KB/MS combo header<br>■ 8-bit GPIO header, Chassis Intrusion Header, AT/ATX power switch mode jumper |
| <b>BIOS</b>            | ■ AMI 128MB SMT Flash ROM   |
| <b>Box Contents</b>    | ■ NF632E Motherboard, SATA Cable, Internal Power Cable, Manual, DVD Driver Disk   |
| <b>Certification</b>   | ■ CE, FCC, RoHS, ErP  |
| <b>Temperature</b>     | ■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C  |
| <b>Form Factor</b>     | ■ 3.5" SBC Form Factor (148mm x 102mm)  |
| <b>Warranty</b>        | ■ 2 Years Limited Warranty  |

\*Specifications subject to change without notice, not responsible for typographical errors.



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