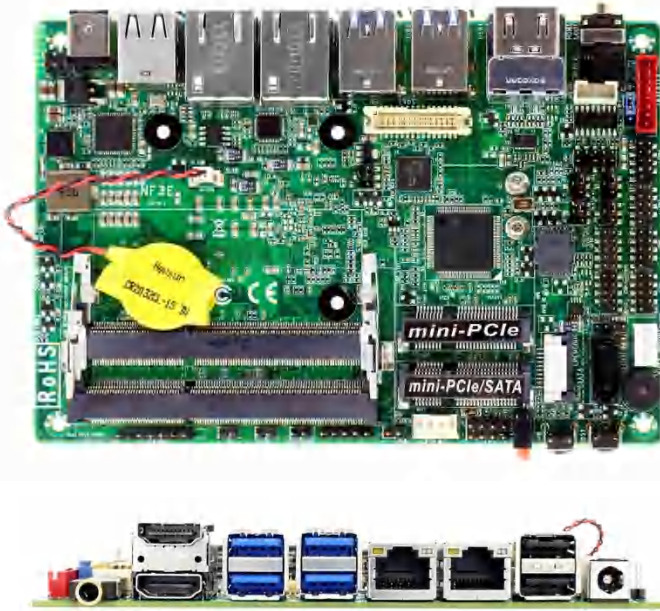


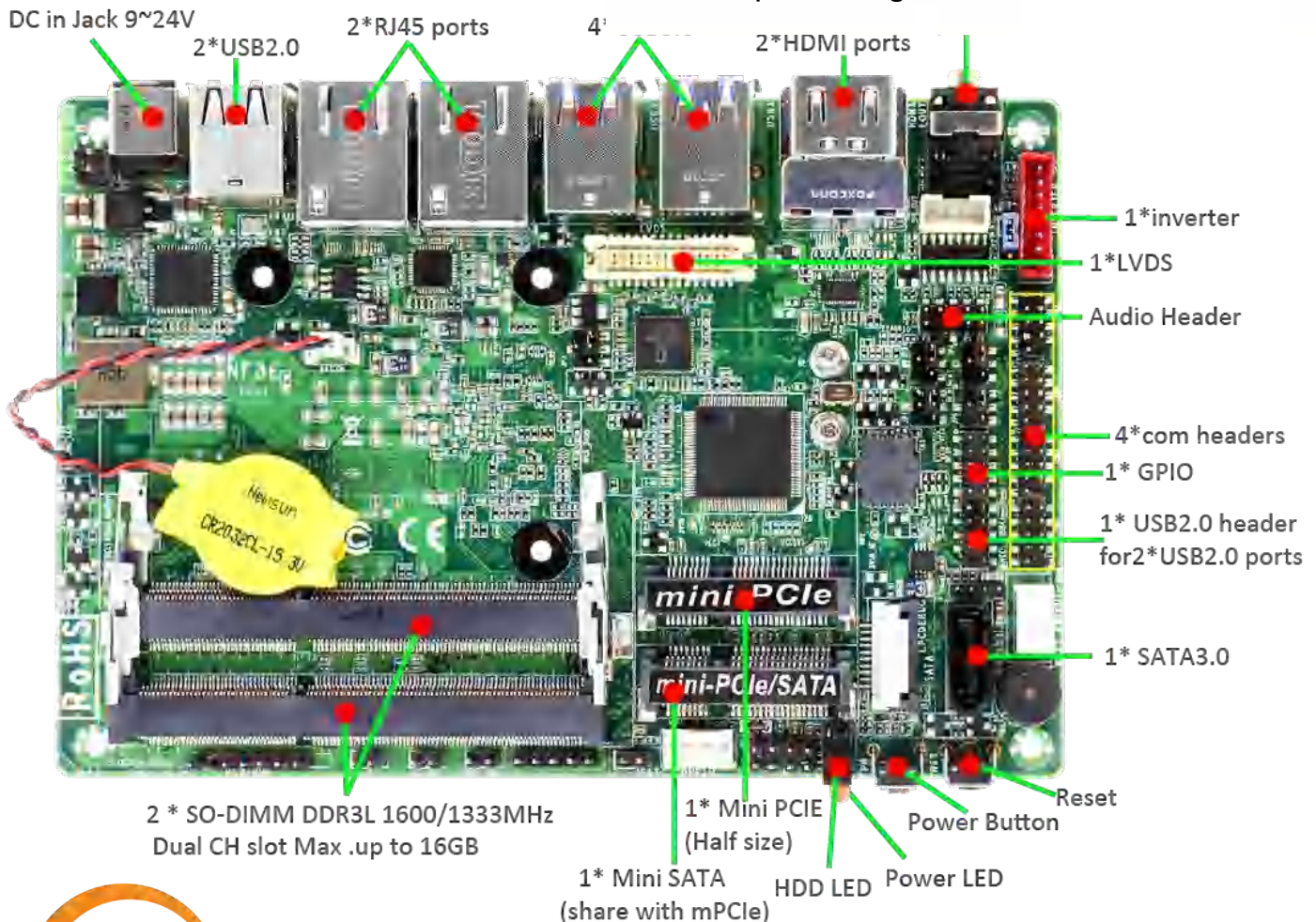
NF3E-4300U

3.5" SBC Industrial Motherboard Intel i5-4300U / 2 HDMI / 2 Intel GbE / 9V-24V



Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q4'2018
2. CPU on Bottom for Easy Integration into Fanless Systems
3. Intel Core i5-4300U SoC, 1.9GHz - 2.9GHz, Dual-Core, 15W
4. 2 * DDR3L-1600 SODIMM Slots up to 16GB Total
5. Supports up to 3 Displays, 2*HDMI 4K, 24bit LVDS
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 9.5, HD Audio
9. 4 * Serial Headers, 8-bit GPIO, Watchdog Timer
10. 4 * USB 3.0 Ports, 9V - 24V DC-In Jack
11. 3.5" SBC Form Factor (148mm x 102mm)
12. Ships with passive heatsink installed for bench testing, air flow required for long term testing



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NF3E-4300U

Model / Series	■ NF3E
Part No	■ JNF3E 4300U
Processor	■ Intel Core i5-4300U SoC, 1.9GHz – 2.9GHz burst, Dual-Core, 15W TDP, Haswell ULT
Chipset	■ SoC
Video	■ Intel HD Graphics 4400, 200MHz – 1,100MHz
Memory	■ 2 * 204 pin SO DIMM slots supporting DDR3L 1600 up to 16GB total, 1.35V required
Expansion Slots	■ 1 * mini-PCI Express slot (Half-size)
Storage	■ 1 * SATA3 6Gb/s port ■ 1 * Shared mSATA/mini-PCI Express slot (Full-size)
Audio	■ Realtek ALC662 HD Audio, L+R 3W Amplifier Header
Network	■ Intel i211 AT Gigabit LAN, Intel i218 LM Gigabit LAN supporting iAMT 9.5 & vPro (VNC Viewer Plus remote access supported)
Other Features	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec
Rear Panel I/O	■ 4 * USB 3.0 ports, 2 * USB 2.0 ports ■ 2 * RJ-45 ports ■ 2 * HDMI ports (up to 3840 x 2160 @24Hz) ■ Line Out (w/ Optical SPDIF Out) ■ 9V – 24V DC-in jack
Front Panel I/O	■ Power Button, Reset Button, Power LED, HDD LED
Internal I/O	■ 1 * USB Header for 2 * USB 2.0 ports ■ 24bit Dual Channel LVDS header & Inverter, SMBUS Header ■ 4 * Serial port headers (3 * RS232, 1 * RS232/422/485), 1 * PS2 KB/MS combo header ■ 8-bit GPIO header, Chassis Intrusion Header, AT/ATX power switch mode jumper
BIOS	■ AMI 128MB SMT Flash ROM
Box Contents	■ NF3E Motherboard, SATA Cable, Internal Power Cable, Manual, DVD Driver Disk
Certification	■ CE, FCC, RoHS, ErP
Temperature	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	■ 3.5" SBC Form Factor (148mm x 102mm)
Warranty	■ 2 Years Limited Warranty

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



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