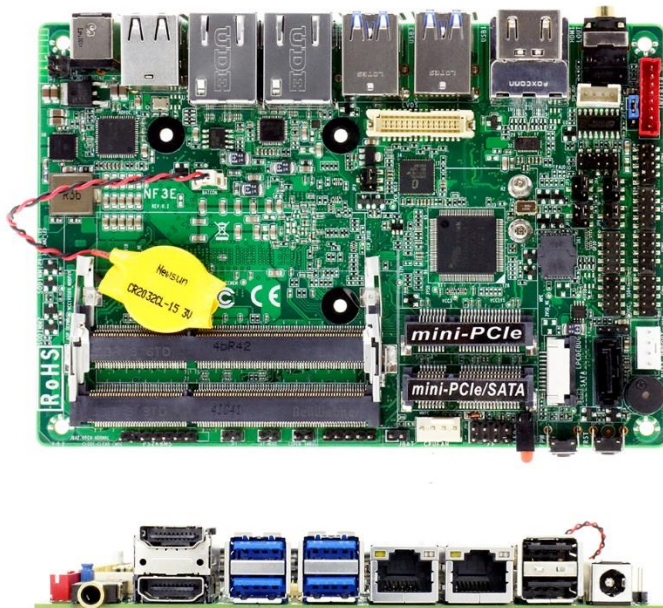


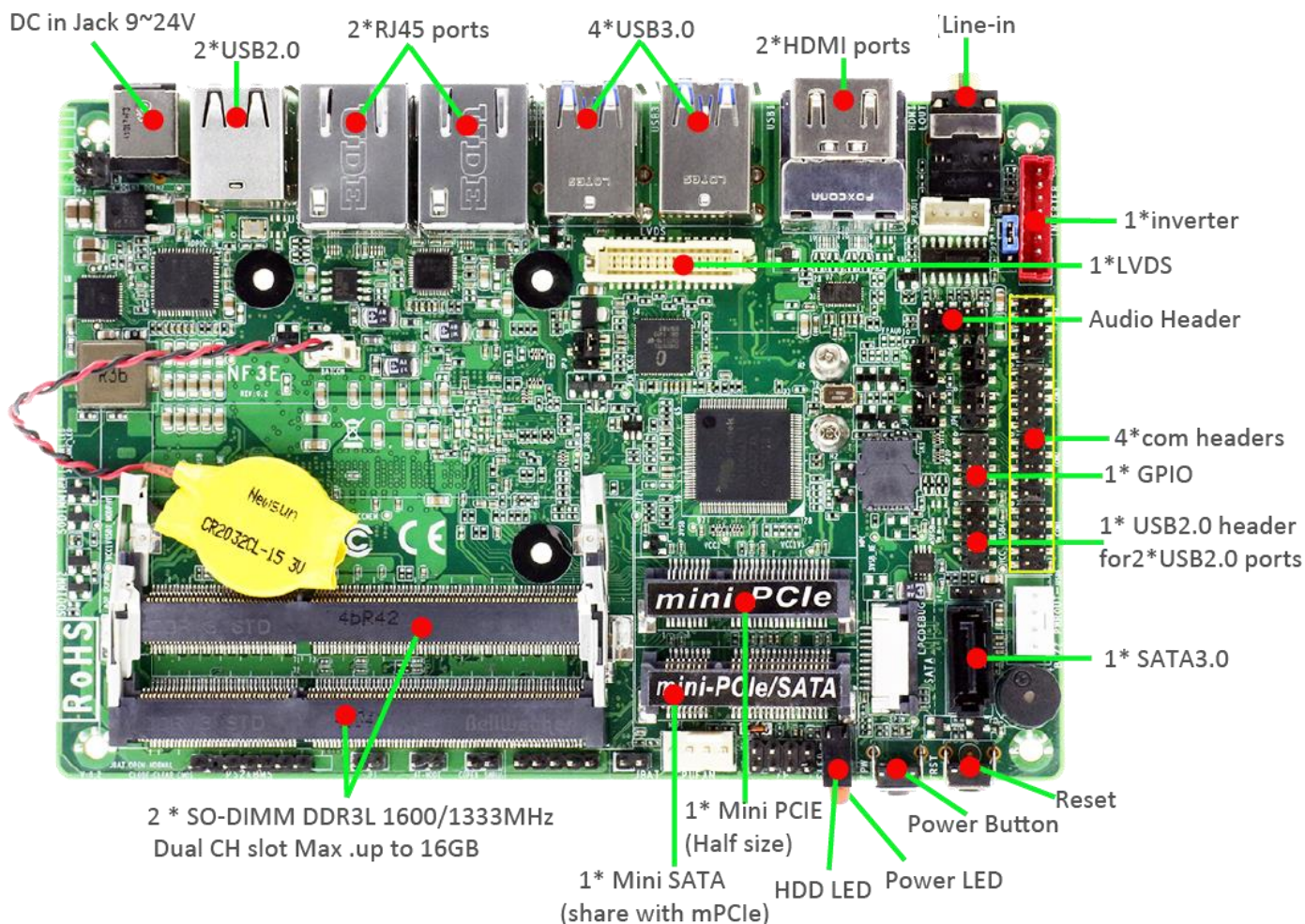
# NF3E-2980U

**3.5" SBC Industrial Motherboard / 9V-24V  
Intel Celeron 2980U / 2 HDMI / 2 Intel GbE**



## Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q3'2018
2. CPU on Bottom for Easy Integration into Fanless Systems
3. Intel Core Celeron 2980U SoC, 1.6GHz, Dual-Core, 15W
4. 2 \* DDR3L-1600 SODIMM Slots up to 16GB Total
5. Supports up to 3 Displays, 2\*HDMI, 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, 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



<b>Model / Series</b>	■ NF3E
<b>Part No</b>	■ JNF3E-2980U
<b>Processor</b>	■ Intel Core Celeron 2980U SoC, 1.6GHz, Dual-Core, 15W TDP, Haswell ULT, 14nm
<b>Chipset</b>	■ SoC
<b>Video</b>	■ Intel HD Graphics, 200MHz – 1,000MHz
<b>Memory</b>	■ 2 * 204-pin SO-DIMM slots supporting DDR3L-1600 up to 16GB total, 1.35V required
<b>Expansion Slots</b>	■ 1 * mini-PCI Express slot (Half-size)
<b>Storage</b>	■ 1 * SATA3 6Gb/s port ■ 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 i218-LM Gigabit LAN
<b>Other Features</b>	■ Support 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 ■ 2 * RJ-45 ports ■ 2 * HDMI ports ■ Line Out (w/ Optical SPDIF Out) ■ 9V – 24V DC-in jack
<b>Front Panel I/O</b>	■ Power Button, Reset Button, Power LED, HDD LED
<b>Internal I/O</b>	■ 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
<b>BIOS</b>	■ AMI 128MB SMT Flash ROM
<b>Box Contents</b>	■ NF3E 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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