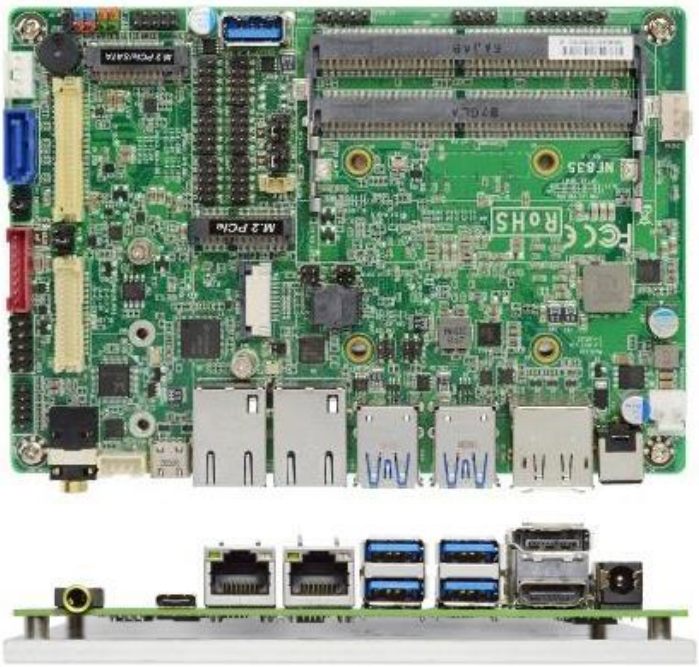
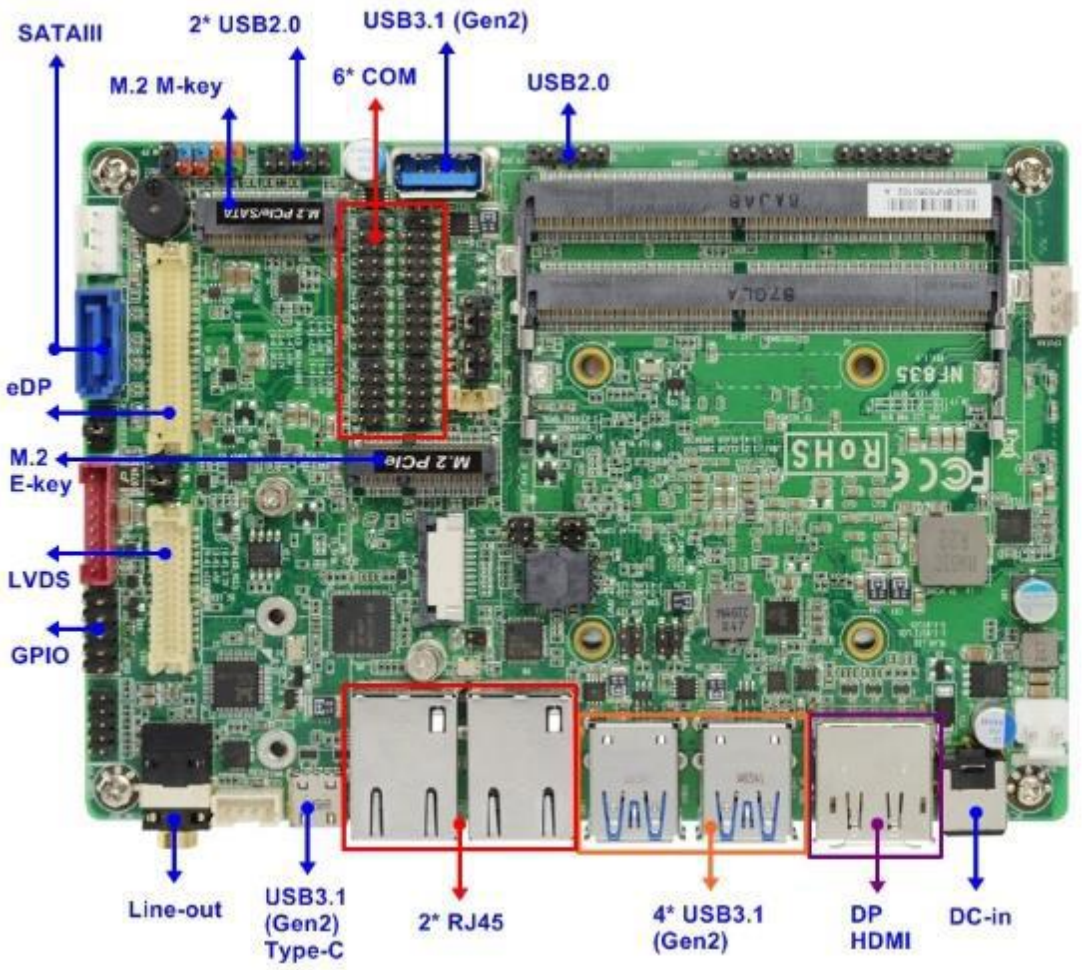
NF835V

3.5” SBC Industrial Motherboard / Whiskey Lake
4K / DP+HDMI+LVDS/eDP / 2 Intel GbE / 9V-24V



Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q2’2034
2. CPU on Bottom for Easy Integration into Fanless Systems
3. Intel Core i5-8365U SoC, Quad-Core, 15W
4. 2 * DDR4-2400 Slots up to 32GB Total
5. Up to 3 Displays, DP 4K@60, HDMI, 24bit LVDS/eDP
6. 1 * SATA3 6Gb/s, M.2 SATA & PCIE x4 NVME 2242/2280
7. 1 * M.2 2230 Slot for WIFI, Optional TPM 2.0
8. 2 * Intel Gigabit LAN, Supporting iAMT, HD Audio
9. 6 * Serial Headers, 8-bit GPIO, Watchdog Timer
10. 6 * USB 3.1 Gen2, 9V – 24V DC-In Jack or 2-pin Internal
11. 3.5” SBC Form Factor (148mm x 102mm)
12. Ships with Silver Heatsink for Direct Attaching to Surface



Model / Series	■ NF835V
Part No	■ JNF835V-8365U (no TPM), JNF835V2-8365U (TPM 2.0)
Processor	■ Intel Core i5-8365U SoC, Quad-Core, 15W TDP, Whiskey Lake-U ■ *Ships with flat silver heatsink for direct attaching to a surface
Chipset	■ SoC
Video	■ Intel HD Graphics
Memory	■ 2 * 260-pin SO-DIMM slots supporting DDR4-2400 up to 32GB total
Expansion Slots	■ 1 * M.2 2230 for WIFI
Storage	■ 1 * SATA3 6Gb/s port ■ 1 * M.2 SATA & PCIE 3.0 x4 NVME 2242/2260/2280
Audio	■ Realtek HD Audio, L+R 3W Amplifier Header
Network	■ Intel i225/i226-V Gigabit LAN, Intel i219-LM Gigabit LAN (iAMT)
Other Features	■ ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Optional TPM 2.0
Rear Panel I/O	■ 4 * USB 3.1 Gen2 ports, 1 * USB 3.1 Gen2 port Type-C ■ 2 * RJ-45 ports ■ DisplayPort (4096 x 2304 @60Hz) ■ HDMI (4096x2160 @24Hz) ■ Line Out ■ 9V – 24V DC-in jack
Front Panel I/O	■ Front Panel Header
Internal I/O	■ 2 * USB Headers for 3 * USB 2.0 ports ■ 1 * USB 3.1 Gen2 type-A vertical port ■ eDP/24bit Dual Channel LVDS header & Inverter, SMBUS Header ■ 6 * Serial port headers (5 * 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 Flash ROM
Box Contents	■ NF835V Motherboard, SATA Cable, Internal Power Cable
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.

JETWAY
Tech.On The Move

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