JF35-ADN1

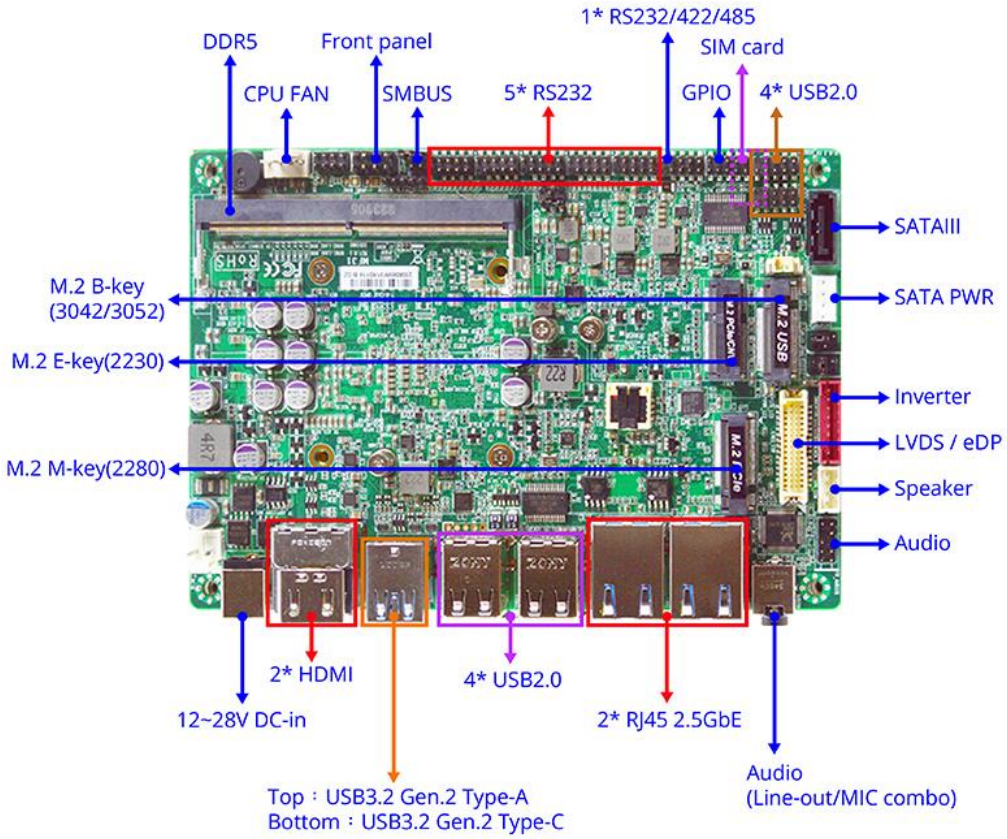
3.5” Embedded and Industrial Motherboard
2*2.5GbE / 2*HDMI+DP / eDP/LVDS / 12-28V





Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q1’2038
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Intel Processor N97, Quad-Core, SOC Processor
4. Supports DDR5-4800 SODIMM up to 32GB Total
5. 3 Displays: 2 * HDMI 4K@60Hz, 1 * USB-C(DP), LVDS/eDP
6. 2 * Intel 2.5GbE LAN, HD Audio, Optional EMMC
7. 1 * SATA3 6Gb/s, 1 * M.2 PCIE 3.0-x2 2280 NVME
8. 1 * M.2 B-key with SIM Card Slot, M.2 E-key for WIFI
9. 1 * USB 3.2 Gen2(A), 1 * USB 3.2 Gen2(C), 8 * USB 2.0 Ports
10. 6 * Serial Headers, 8-bit GPIO, Watchdog Timer
11. 12-28V DC-In Jack or 2-pin Alternate internal Connector
12. 3.5” SBC Form Factor (148mm x 102mm)



Model / Series	■ JF35-ADN1
Part No	■ JF35-ADN1-97000, JF35-ADN1-97002 (TPM2), JF35-ADN1-97004 (64GB EMMC), ■ JF35-ADN1-97008 (TPM2, 64GB EMMC)
Processor	■ Intel Processor N97, Quad-core SoC, Formerly known as Alder Lake-N ■ *Ships with flat aluminum heatsink for direct attach
Chipset	■ SoC
Video	■ Intel UHD Graphics
Memory	■ 1 * SO-DIMM slot supporting DDR5-4800 up to 32GB total
Expansion Slots	■ 1 * M.2 2230 E-key (PCIE/USB2/CNVI) ■ 1 * M.2 3042/3052 B-key (USB3/USB2) with Nano SIM card slot
Storage	■ 1 * SATA3 6Gb/s port, 1 * M.2 M-key PCIE 3.0 x2 NVME 2280 ■ (Optional 64GB EMMC)
Audio	■ Realtek HD audio, 3W Amp
Network	■ 2 * Intel i225/i226-V 2.5GbE LAN
Other Features	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Optional TPM2
Rear Panel I/O	■ 1 * USB 3.2 Gen2 Type-A, 1 * USB 3.2 Gen2 Type-C (DP 1.4a ALT Mode), 4 * USB 2.0 ports ■ 2 * RJ-45 LAN ports, 2 * HDMI 2.0b 4K @60Hz ■ Line-out/Mic combo jack, SIM card slot (bottom) ■ +12-28V DC-in jack (2.5mm ID/5.5mm OD)
Front Panel I/O	■ Front panel header, audio header
Internal I/O	■ 2 * USB headers for 4 * USB 2.0 ports ■ 6 * Serial headers (5 * RS232, 1 * RS232/422/485) ■ eDP/LVDS (select one), 8-bit GPIO header, Chassis Intrusion Header, SMBUS header, AT/ATX power switch mode jumper, 2-pin 12-28V Alternative power connector
BIOS	■ AMI UEFI Flash ROM with Intel fTPM 2.0 (PTT)
Box Contents	■ JF35-ADN1 Motherboard, SATA data & power cable, 2 * RS232 220mm PH2.0 cables
Certification	■ CE, FCC, RoHS, ErP
Temperature	■ Operating Temperature -20~60 ° 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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