MF94

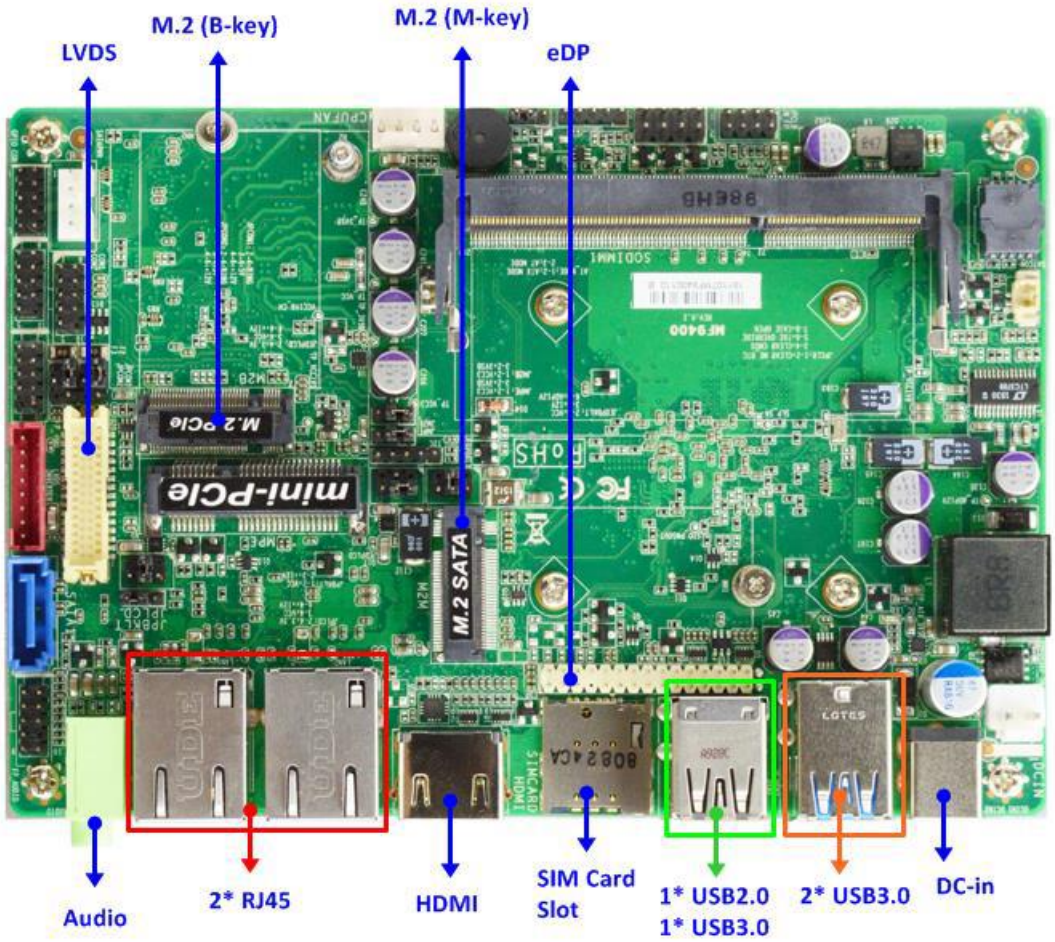
3.5” SBC Apollo Lake Industrial Motherboard
2 Intel LAN / HDMI / eDP / LVDS / 9-36V





Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q3’2031
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Intel Celeron J3455 Quad-Core, 10W SOC Processor
4. Supports DDR3L-1866 SODIMM up to 8GB Total
5. HDMI, LVDS, eDP 4K @60Hz
6. 2 * Intel i211-AT Gigabit LAN
7. 1 * SATA3 6Gb/s, 1 * M.2 SATA 2242, Full-size Mini-PCIE
8. 1 * M.2 3042 B-key with SIM Card Slot
9. 3 * USB 3.1 Gen1, 3 * USB 2.0 Ports
10. 2 * Serial Ports, 8-bit GPIO, Watchdog Timer
11. 9-36V DC-In Jack or 2-pin Alternate internal Connector
12. 3.5” SBC Form Factor (148mm x 102mm)



Model / Series	■ MF94
Part No	■ MF94-00 (J3455, no TPM), MF94-02 (J3455, TPM 2.0) ■ MF94-90 (E3940, no TPM), MF94-92 (E3940, TPM 2.0)
Processor	■ Intel Celeron J3455 Quad-core SoC (OEM Option: Intel Atom x5-E3940 Quad-core) ■ *Ships with flat aluminum heatsink for direct attach
Chipset	■ SoC
Video	■ Intel HD Graphics
Memory	■ 1 * 204-pin SO-DIMM slot supporting DDR3L-1866 up to 8GB total, 1.35V required
Expansion Slots	■ 1 * Full-size Mini-PCI Express slot ■ 1 * M.2 3042 B-key with Micro SIM card slot (3G/4G/LTE)
Storage	■ 1 * SATA3 6Gb/s port, 1 * M.2 SATA M-key 2242 length
Audio	■ Realtek ALC662 HD audio
Network	■ 2 * Intel i211-AT Gigabit LAN
Other Features	■ Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Optional TPM
Rear Panel I/O	■ 3 * USB 3.1 Gen1 ports, 1 * USB 2.0 port ■ 2 * RJ-45 LAN ports ■ HDMI 4K @30Hz ■ Line-out jack, Micro SIM slot ■ +9-36V DC-in jack (2.5mm ID/5.5mm OD)
Front Panel I/O	■ None
Internal I/O	■ 1 * USB Header for 2 * USB 2.0 ports ■ 2 * Serial headers (1 * RS232, 1 * RS232/422/485) ■ SMBus, I2C header, eDP 4K @60Hz, LVDS 1080P ■ 8-bit GPIO header, AT/ATX power switch mode jumper ■ 2-pin 9-36V Alternative power connector
BIOS	■ AMI 128Mb Flash ROM
Box Contents	■ MF94 Motherboard, Internal Power Cable (SATA & COM cables not included)
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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