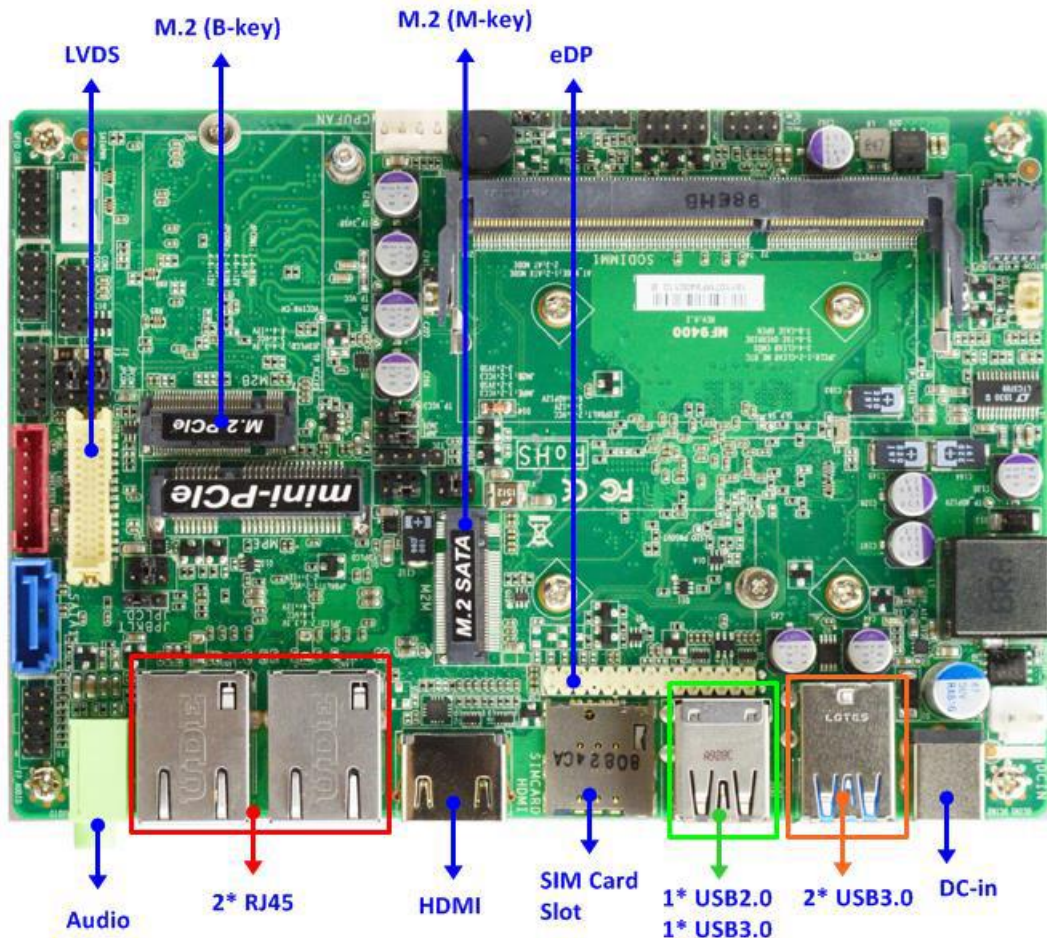
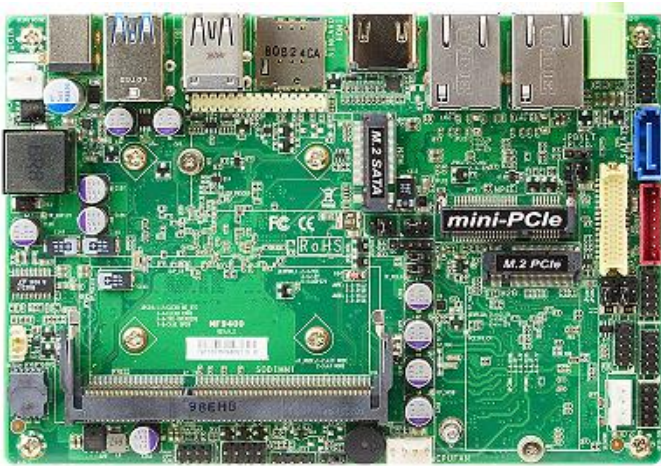


# MF94V

## 3.5" SBC Apollo Lake Industrial Motherboard 2 \* 2.5GbE 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 SOC Processor
4. Supports DDR3L-1866 up to 8GB Total
5. HDMI, LVDS, eDP 4K @60Hz
6. 2 \* Intel i225-V 2.5GbE 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)



<b>Model / Series</b>	<ul style="list-style-type: none"> <li>MF94V</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>MF94V00 (J3455), MF94V02 (J3455, TPM 2.0)</li> <li>MF94V90 (E3940), MF94V92 (E3940, TPM 2.0)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>Intel Celeron J3455 Quad-core SoC (OEM Option: Intel Atom x5-E3940 Quad-core)</li> <li>*Ships with flat aluminum heatsink for direct attach</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>SoC</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>Intel HD Graphics</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>1 * 204-pin SO-DIMM slot supporting DDR3L-1866 up to 8GB total, 1.35V required</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 * Full-size Mini-PCI Express slot</li> <li>1 * M.2 3042 B-key with Micro SIM card slot (3G/4G/LTE)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>1 * SATA3 6Gb/s port, 1 * M.2 SATA M-key 2242 length</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>Realtek HD audio</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>2 * Intel i225-V 2.5GbE LAN</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Support ACPI S3, AHCI, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Optional TPM</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>3 * USB 3.1 Gen1 ports, 1 * USB 2.0 port</li> <li>2 * RJ-45 LAN ports</li> <li>HDMI 4K @30Hz</li> <li>Line-out jack, Micro SIM slot</li> <li>+9-36V DC-in jack (2.5mm ID/5.5mm OD)</li> </ul>
<b>Front Panel I/O</b>	<ul style="list-style-type: none"> <li>None</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>1 * USB Header for 2 * USB 2.0 ports</li> <li>2 * Serial headers (1 * RS232, 1 * RS232/422/485)</li> <li>SMBus, I2C header, eDP 4K @60Hz, LVDS 1080P</li> <li>8-bit GPIO header, AT/ATX power switch mode jumper</li> <li>2-pin 9-36V Alternative power connector</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI 128Mb Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>MF94V Motherboard, Internal Power Cable (SATA &amp; COM cables not included)</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>CE, FCC, RoHS, ErP</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating Temperature 0~60 ° C, Storage Temperature -40-85 ° C</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>3.5" SBC Form Factor (148mm x 102mm)</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>2 Years Limited Warranty</li> </ul>

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



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