

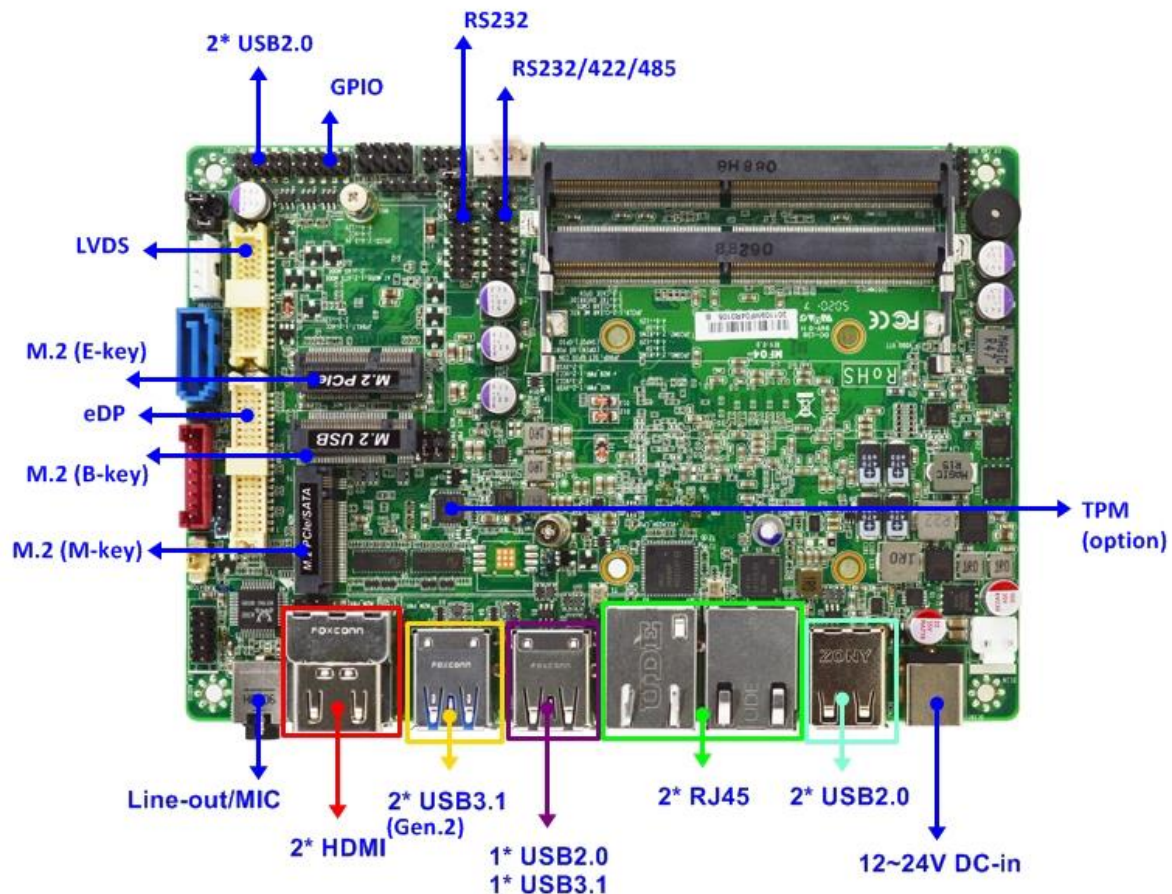
# MF04V

## 3.5" Elkhart Lake Industrial Motherboard 2 2.5GBE LAN / 2 HDMI / eDP/LVDS / 12-24V



### Features

1. Long-Life Embedded Class Industrial Motherboard with Planned Lifecycle Through Q1'2036
2. CPU Mounted on Bottom of Motherboard for Easy Integration into Fanless Systems
3. Intel Celeron J6412 Quad-Core, SOC Processor
4. Supports DDR4-3200 SODIMM up to 32GB Total
5. 2 \* HDMI 4K@60Hz, LVDS/eDP 4K @60Hz
6. 2 \* Intel 2.5GbE LAN, HD Audio, 32GB EMMC
7. 1 \* SATA3 6Gb/s, 1 \* M.2 SATA/PCIE x2 2242/2280
8. 1 \* M.2 3042 B-key with SIM Card Slot
9. 3 \* USB 3.1 Gen2, 5 \* USB 2.0 Ports
10. 2 \* Serial Ports, 8-bit GPIO, Watchdog Timer
11. 12-24V 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>MF04V</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>J6412 CPU: MF04V00, MF04V04 (64EMMC), MF04V08 (64EMMC, TPM2)</li> <li>N6210 CPU: MF04V30, MF04V34 (64EMMC), MF04V38 (64EMMC, TPM2)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>Intel Celeron J6412 Quad-core SoC (OEM Option: Intel N6210 Dual-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 UHD Graphics for 10th Gen Intel Processors</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>2 * SO-DIMM slot supporting DDR4-3200 up to 32GB total</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>1 * M.2 2230 E-key (CNVI)</li> <li>1 * M.2 3042 B-key with SIM card holder</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>1 * SATA3 6Gb/s port, 1 * M.2 M-key SATA &amp; PCIE 3.0 x2 NVME 2242/2280</li> <li>Onboard 64GB EMMC</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/i226-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 Gen2 ports, 3 * USB 2.0 ports</li> <li>2 * RJ-45 LAN ports</li> <li>2 * HDMI 4K @60Hz</li> <li>Line-out/Mic combo jack, SIM card slot</li> <li>+12-24V 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, eDP 4K @60Hz, LVDS 1080P, 8-bit GPIO header, AT/ATX power switch mode jumper</li> <li>2-pin 12-24V Alternative power connector</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>AMI Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>MF04V Motherboard</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</li> <li>Storage Temperature -20-85 ° 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.



**Jetway Computer Corporation**  
**Phone: 510-857-0130 Fax: 510-857-0138**  
**8058 Central Ave., Newark, CA 94560**  
**www.jetwaycomputer.com**

