

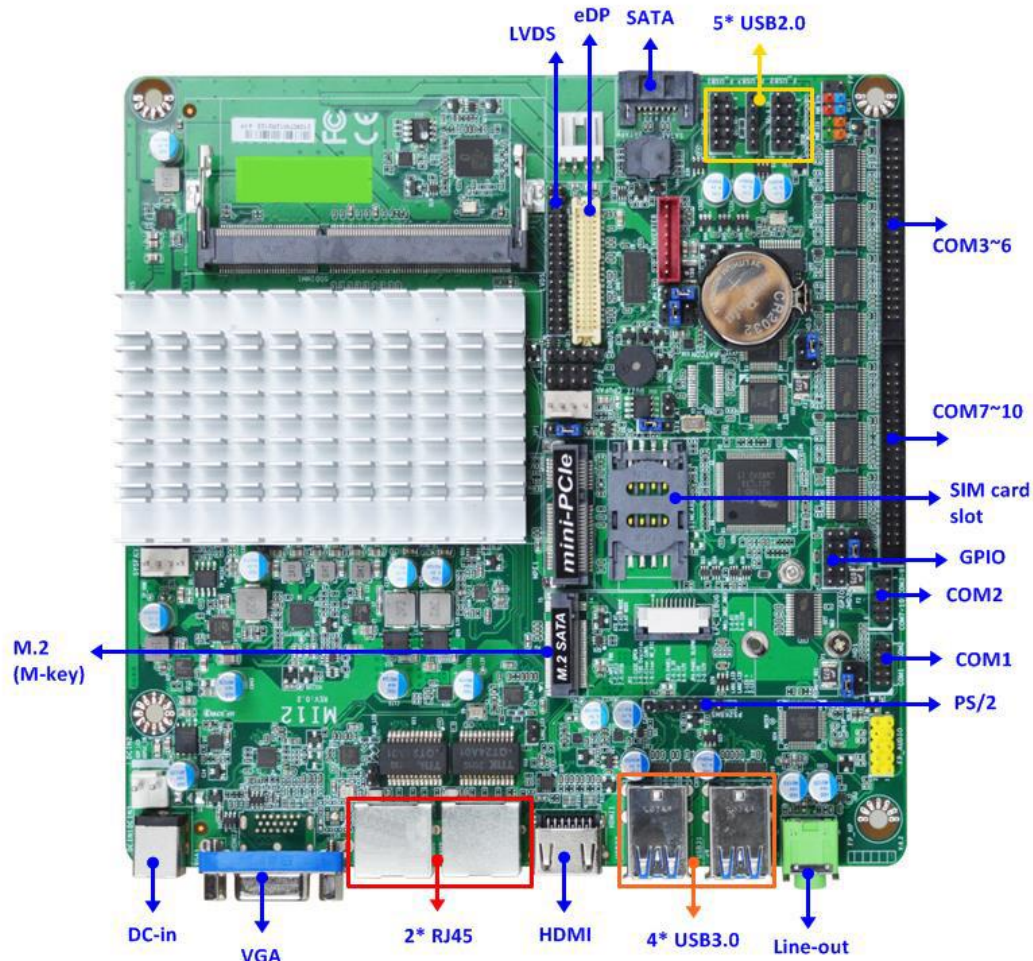
# MI12-00V

Thin Mini-ITX Industrial Motherboard / Apollo Lake  
HDMI / VGA / eDP/LVDS / 2 LAN / 10 COM / 12V



## Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q3'2031
2. Intel Celeron J3455 Quad-Core, Apollo Lake Platform
3. 1 \* DDR3L-1866 slots supporting up to 8GB Total
4. 2 \*Gigabit LAN, HD Audio
5. Up to 3 Displays: HDMI, VGA eDP/LVDS
6. 1 \* SATA3 6Gb/s Ports, 1 \* M.2 SATA 2242/2260
7. 1 \* Full-size Mini-PCIE slot (USB), SIM Card Holder
8. 4 \* USB 3.0, 5 \* USB 2.0, GPIO, Chassis Intrusion, SMBus
9. 10 \* Serial Ports, Watchdog Timer, AT/ATX Power Mode
10. 12V DC-in or 2-pin Alternate Internal Power Connector
11. Compatible with Windows 10 64bit, UEFI Linux
12. Thin Mini-ITX Form Factor (170mm x 170mm)



<b>Model / Series</b>	<ul style="list-style-type: none"> <li>MI12</li> </ul>
<b>Part No</b>	<ul style="list-style-type: none"> <li>MI12-00V</li> <li>MI12-02V (TPM 2.0)</li> </ul>
<b>Processor</b>	<ul style="list-style-type: none"> <li>Intel Celeron J3455 Quad-Core, Apollo Lake Platform</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 slots 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-PCIE slot (USB only) with SIM Card Holder</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>1 * SATA3 6Gb/s port</li> <li>1 * M.2 SATA M-key 2242/2260</li> <li>OEM Option: 32GB eMMC</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>C-Media HD audio</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>2 * Realtek RTL8119H Gigabit LAN</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec., TPM optional</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>4 * USB 3.2 gen1, 2 * RJ-45 port</li> <li>HDMI (4K @30Hz), VGA</li> <li>Line-out</li> <li>12V DC-in</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>3 * USB headers for 5 * USB 2.0 ports</li> <li>eDP/LVDS (select one), AT/ATX power switch mode</li> <li>10 * Serial headers (9 * RS232, 1 * RS232/422/485)</li> <li>Chassis Intrusion header, PS/2 KB/MS header, 8bit GPIO, SMBus</li> <li>2-pin 12V Alternate internal 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>MI12-00V Motherboard, I/O Shield</li> </ul>
<b>Certification</b>	<ul style="list-style-type: none"> <li>CE, FCC, RoHS, ErP/EuP, REACH</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>Thin Mini-ITX Form Factor (170mm x 170mm)</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. Overclocking not supported.



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