



579.00 EUR  
incl. 19% VAT, plus [shipping](#)

- Intel Tiger Lake !
- 3,5" Form Factor !
- PCIe 4.0 !
- 4x 4K Display Support !

Support: [📄 Datasheet](#)

The JETWAY MF10 Series is a 3.5" form factor motherboard based on the Intel® 11th Gen. Intel Tiger Lake-UP3 SoC Processors. The board supports two SO-DIMM DDR4 memory up to 64GB. Having dual integrated Intel® i219-LM GbE & i225V 2.5GbE controllers, the MF10 Series offers one gigabit and one 2.5 gigabit ethernet. The MF10 is support the latest PCI Express 4.0 interface on the M.2 PCIe 4.0 x4 slot for NVMe solid state drive. The MF10 is also support up to four independent 4K HDR displays. In addition, the MF10 has internal eDP port for customers integrating LCD panels. The JETWAY MF10 Series is suitable for Digital Signage, Industrial PCs, Edge Computing, Factory Automation, AI and IOT Solution applications. The MF10 includes a flat aluminum heatsink for thermal dissipation allowing for easy integration into fanless systems..

- Intel® Tiger Lake-UP3 SoC Processor (TDP 12~28W)
- 2\* DDR4-3200MHz SO-DIMM up to 64GB
- 1\* Intel i219-LM 1.0GbE, 1\* Intel i225V 2.5GbE
- 2\* HDMI, 2\* DP1.4 (from Type-C), 1\* eDP
- 1\* RS232, 3\* USB3.2 (Gen.2), 5\* USB2.0, 2\* USB 3.2 (Gen. 2) Type-C support DP1.4 display output
- 1\* M.2 M-key 2242/2280, PCIe 4.0 x4/SATA interface support NVMe, 1\* SATAIII (6Gb/s)
- 1\* M.2 E-key 2230, USB2.0/PCIe x1 interface support CNVi, 1\* M.2 B-Key 3042/3052, USB3.1/USB2.0/PCIe x1 interface
- MF10-22 / MF10-92: Onboard TPM 2.0 (option)

Model	<ul style="list-style-type: none"> <li>- MF10-20 (i5-1145G7E Default)</li> <li>- MF10-22 (i5-1145G7E, TPM2.0)</li> <li>- MF10-90 (i5-1135G7)</li> <li>- MF10-92 (i5-1135G7, TPM2.0)</li> </ul>
Form Factor	- 3.5" (5.8-in * 4.0-in, 148 * 102mm)
Processor System	<ul style="list-style-type: none"> <li>- Intel® Tiger Lake i5-1145G7E SoC Processor (TDP 12~28W) (Default)</li> <li>- Intel® Tiger Lake i5-1135G7 SoC Processor (TDP 12~28W)</li> <li>- AMI Flash ROM BIOS</li> </ul>

Expansion Slot	<ul style="list-style-type: none"> <li>- M.2 E-key (2230) USB2.0/PClex1 interface support CNVi</li> <li>- M.2 B-Key (3042/3052) USB3.1/USB2.0/PCIe x1 interface</li> </ul>
Memory	<ul style="list-style-type: none"> <li>- 2* DDR4-3200 Dual Channel SO-DIMM up to 64GB total</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>- Intel® HD Graphics, shared memory</li> <li>- 1* eDP (Max Resolution: 4096x2304@60Hz)</li> <li>- 2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz)</li> <li>- 2* DP1.4 (Max Resolution: 4096x2304@60Hz) from Type-C</li> <li>- Support Four independent 4K HDR Displays</li> </ul>
Ethernet	<ul style="list-style-type: none"> <li>- 1* Intel i219-LM 1.0GbE</li> <li>- 1* Intel i225V 2.5GbE</li> </ul>
Audio	<ul style="list-style-type: none"> <li>- HD audio: Realtek ALC888S-VD2</li> <li>- 3W AMP speaker</li> </ul>
Storage	<ul style="list-style-type: none"> <li>- 1* SATAIII (6Gb/s)</li> <li>- M.2 M-key 2242/2280, PCIe 4.0 x4/SATA interface, support NVMe</li> </ul>
Rear I/O	<ul style="list-style-type: none"> <li>- 3* USB3.2 (Gen.2)</li> <li>- 1* USB2.0</li> <li>- 2* USB3.2 (Gen.2) Type-C support DP1.4 display output</li> <li>- 2* HDMI</li> <li>- 2* RJ45</li> <li>- 1* SIM card slot (bottom side)</li> <li>- Line-out/MIC Combo</li> <li>- DC-in (12-24V)</li> </ul>
Internal Connector	<ul style="list-style-type: none"> <li>- 2* USB 2.0</li> <li>- 1* PS/2</li> <li>- 1* eDP</li> <li>- 1* COM (RS232)</li> <li>- 1* SATAIII</li> <li>- 1* GPIO (8 bit)</li> <li>- 1* Chassis intrusion</li> <li>- 1* Speaker header (4pin)</li> <li>- 1* SMBUS</li> <li>- 1* AT/ATX mode jumper</li> <li>- Optional onboard TPM2.0 (MF10-22 &amp; MF10-92)</li> </ul>
Watchdog Timer	<ul style="list-style-type: none"> <li>- From Super I/O to drag RESETCON#</li> <li>- 256 segments (10sec ~ 255min)</li> </ul>
Power	<p>DC-IN 12~24V          AT/ATX mode Supported</p> <ul style="list-style-type: none"> <li>- AT: Directly PWR on as Power input ready</li> <li>- ATX: Press Button to PWR on after Power input ready</li> <li>- <b>90W adaptor is Recommended</b></li> </ul>
Compliance	<ul style="list-style-type: none"> <li>- CE, FCC, LVD, RoHS, REACH</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>- Operating: 0°C ~ 60°C</li> <li>- Storage: -20°C ~ 85°C</li> <li>- Humidity: 10% ~ 90% RH @40°C (non-condensing)</li> </ul>