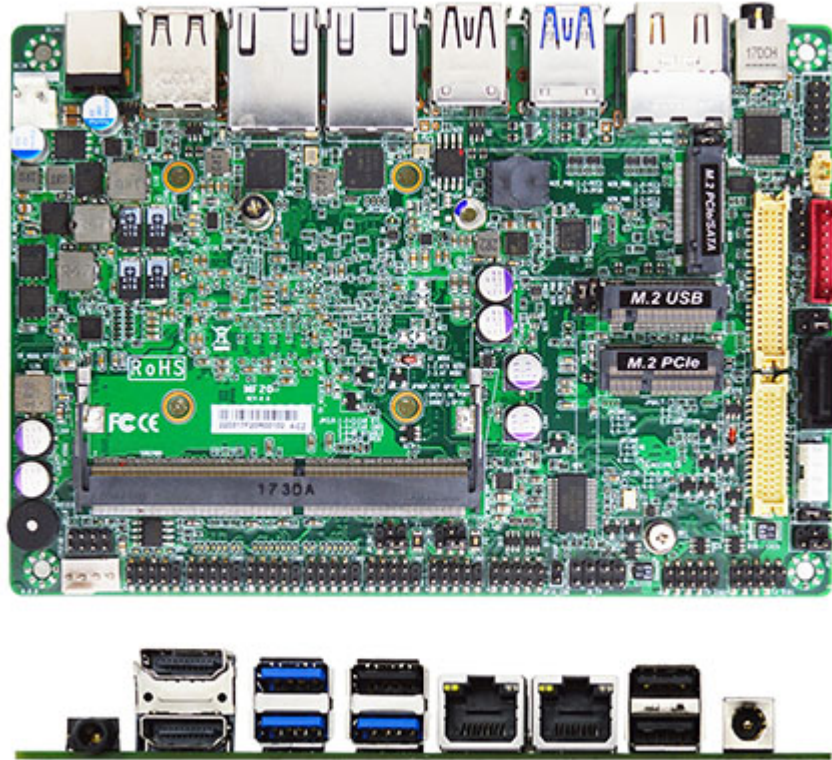




269.00 EUR

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

- Elkhart Lake SoC !
- 2x LAN !
- 3,5" Form Factor !

The JETWAY MF20 Series is 3.5" form factor board adopts the Intel® Elkhart Lake J6412 SoC Processor. The board supports one SO-DIMM DDR4 3200MHz memory, up to 16GB. Featuring the integrated Intel® 2.5 Gigabit Ethernet controller, the MF20 Series offers two 10/100/1000/2500 Base-TX Ethernet device for network transmission. One SATAIII (6Gb/s) interface, one M.2 M-key and 32GB onboard eMMC (optional) offer storage devices. Three USB3.1 Gen.2 ports, seven USB2.0 ports and six COM ports provide versatile expansion. The M.2 B-key 3042 can support 3G/4G/LTE card. The MF20 Series offers two HDMI2.0b ports and one LVDS (co-layout eDP) with triple independent displays. Because of the above features, MF20 Series is suitable for Panel PC, IOT Solution, Edge computing applications.

- Intel® Elkhart Lake SoC Processor
- 1\* DDR4 3200MHz SO-DIMM up to 16GB
- 2\* Intel i225V 2.5GbE
- 2\* HDMI 2.0b, 1\* eDP (co-layout LVDS), 1\* LVDS w/Inverter
- 6\* COM, 3\* USB3.1 (Gen.2), 7\* USB2.0
- 1\* M.2 E-key 2230, 1\*M.2 B-key 3042 W/SIM card slot
- 1\* M.2 M-key 2242/2280, 1\* SATAIII (6Gb/s)
- 12~24V DC-in

|                  |                                                                                                                                                                                                                            |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model            | <ul style="list-style-type: none"> <li>– MF20-00 (J6412 CPU_10W)</li> <li>– MF20-02 (J6412 CPU_10W, TPM2.0)</li> <li>– MF20-03 (J6412 CPU_10W, 32GB eMMC)</li> <li>– MF20-07 (J6412 CPU_10W, 32GB eMMC, 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® Elkhart Lake J6412 SoC Processor (TDP 10W)</li> <li>– AMI Flash ROM BIOS</li> </ul>                                                                                        |
| Memory           | – 1* DDR4 3200MHz SO-DIMM up to 16GB                                                                                                                                                                                       |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage        | <ul style="list-style-type: none"> <li>– 1* SATAIII (6 Gb/s)</li> <li>– 1* M.2 M-key (2242/2280) PCIe Gen.3 x2/SATA interface, support NVME</li> <li>– 32GB eMMC on board (MF20-03 &amp; MF20-07)</li> </ul>                                                                                                                                                                                                                                                                                                                                              |
| Expansion      | <ul style="list-style-type: none"> <li>– 1* M.2 E-key (2230) support USB2.0/PCIe Gen.3 x1 interface</li> <li>– 1* M.2 B-key (3042) support USB3.1/USB2.0 interface W/SIM card slot</li> </ul>                                                                                                                                                                                                                                                                                                                                                             |
| Ethernet       | <ul style="list-style-type: none"> <li>– 2* Intel® i225V 2.5GbE</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Graphics       | <ul style="list-style-type: none"> <li>– Intel® HD Graphics, shared memory</li> <li>– 1* eDP (Max Resolution: 4096×2160@60Hz)</li> <li>– 1* LVDS (Max Resolution: 1920×1080@60Hz)</li> <li>– 2* HDMI 2.0b (Max Resolution: 4096×2160@60Hz)</li> <li>– Support Triple Displays</li> </ul>                                                                                                                                                                                                                                                                  |
| Audio          | <ul style="list-style-type: none"> <li>– 2 Channel HD audio: Realtek ALC888S</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>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Internal I/O   | <ul style="list-style-type: none"> <li>– 4* USB2.0</li> <li>– 1* eDP (co-layout LVDS)</li> <li>– 1* LVDS w/Inverter</li> <li>– 5* RS232</li> <li>– 1* RS232/422/485</li> <li>– 1* SATAIII</li> <li>– 1 * 32GB eMMC (MF20-03/MF20-07)</li> <li>(If use Win 10 OS, we recommend the eMMC is use for OS boot up purpose.)</li> <li>– 1* SIM card slot (along with M.2 B-key)</li> <li>– 1* GPIO (8 bit)</li> <li>– 1* CPU FAN</li> <li>– 1* Audio Header</li> <li>– 1* SMBUS</li> <li>– 1* AT mode</li> <li>– 1* TPM2.0 onboard (MF20-02/MF20-07)</li> </ul> |
| External I/O   | <ul style="list-style-type: none"> <li>– 3* USB3.1 (Gen.2)</li> <li>– 3* USB2.0</li> <li>– 2* HDMI</li> <li>– 2* RJ45</li> <li>– 1* Line-out/MIC combo jack</li> <li>– 12~24V DC-in jack</li> </ul>                                                                                                                                                                                                                                                                                                                                                       |
| Power          | <p>12V~24V DC-in PWR</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> </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: -40°C ~ 85°C</li> <li>– Humidity: 10% ~ 90% RH @40°C (non-condensing)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       |
| OS Support     | <ul style="list-style-type: none"> <li>– Windows 10, Windows 11, Linux</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Warranty       | <ul style="list-style-type: none"> <li>– 2 Years Limited Warranty</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |