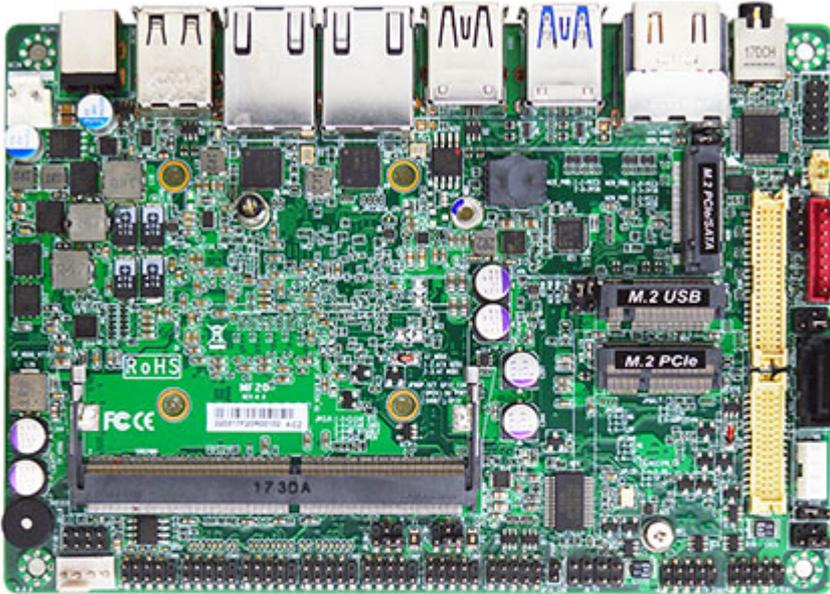289.00 EUR
incl. 19% VAT, plus shipping

- 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	– MF20-00 (J6412 CPU_10W)
	– MF20-02 (J6412 CPU_10W, TPM2.0)
	– MF20-03 (J6412 CPU_10W, 32GB eMMC)
	– MF20-07 (J6412 CPU_10W, 32GB eMMC, TPM2.0)
Form Factor	– 3.5" (5.8-in * 4.0-in, 148 * 102mm)
Processor System	– Intel® Elkhart Lake J6412 SoC Processor (TDP 10W)
	– AMI Flash ROM BIOS
Memory	– 1* DDR4 3200MHz SO-DIMM up to 16GB

Storage	– 1* SATAIII (6 Gb/s) – 1* M.2 M-key (2242/2280) PCIe Gen.3 x2/SATA interface, support NVME – 32GB eMMC on board (MF20-03 & MF20-07)
Expansion	– 1* M.2 E-key (2230) support USB2.0/PCIe Gen.3 x1 interface – 1* M.2 B-key (3042) support USB3.1/USB2.0 interface W/SIM card slot
Ethernet	– 2* Intel® i225V 2.5GbE
Graphics	– Intel® HD Graphics, shared memory – 1* eDP (Max Resolution: 4096×2160@60Hz) – 1* LVDS (Max Resolution: 1920×1080@60Hz) – 2* HDMI 2.0b (Max Resolution: 4096×2160@60Hz) – Support Triple Displays
Audio	– 2 Channel HD audio: Realtek ALC888S
Watchdog Timer	– From Super I/O to drag RESETCON# – 256 segments (10sec ~ 255min)
Internal I/O	– 4* USB2.0 – 1* eDP (co-layout LVDS) – 1* LVDS w/Inverter – 5* RS232 – 1* RS232/422/485 – 1* SATAIII – 1 * 32GB eMMC (MF20-03/MF20-07) (If use Win 10 OS, we recommend the eMMC is use for OS boot up purpose.) – 1* SIM card slot (along with M.2 B-key) – 1* GPIO (8 bit) – 1* CPU FAN – 1* Audio Header – 1* SMBUS – 1* AT mode – 1* TPM2.0 onboard (MF20-02/MF20-07)
External I/O	– 3* USB3.1 (Gen.2) – 3* USB2.0 – 2* HDMI – 2* RJ45 – 1* Line-out/MIC combo jack – 12~24V DC-in jack
Power	12V~24V DC-in PWR – AT: Directly PWR on as Power input ready – ATX: Press Button to PWR on after Power input ready
Compliance	– CE, FCC, LVD, RoHS, REACH
Temperature	– Operating: 0°C ~ 60°C – Storage: -40°C ~ 85°C – Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	– Windows 10, Windows 11, Linux
Warranty	– 2 Years Limited Warranty