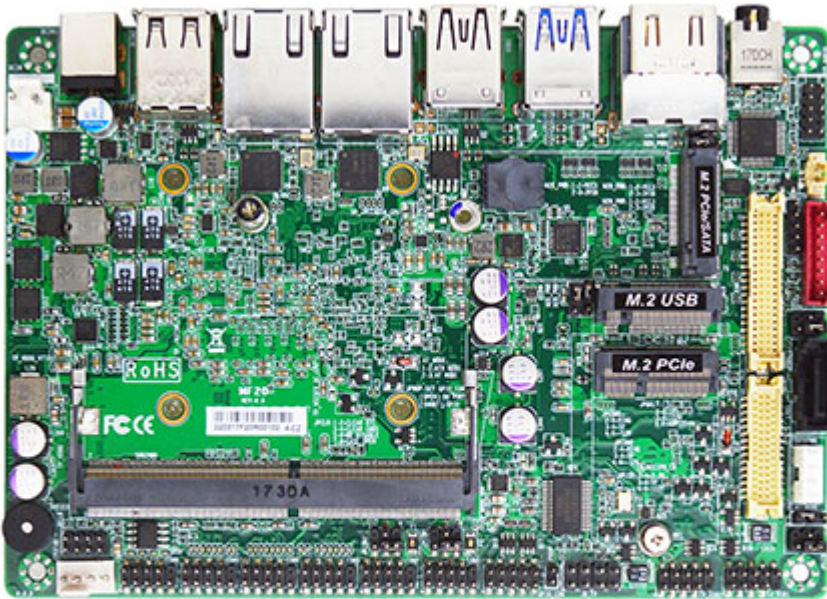


319.00 EUR
incl. 19% VAT, plus [shipping](#)

- 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"> – 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	<ul style="list-style-type: none"> – Intel® Elkhart Lake J6412 SoC Processor (TDP 10W) – AMI Flash ROM BIOS
Memory	– 1* DDR4 3200MHz SO-DIMM up to 16GB

Storage	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 2* Intel® i225V 2.5GbE
Graphics	<ul style="list-style-type: none"> - Intel® HD Graphics, shared memory - 1* eDP (Max Resolution: 4096x2160@60Hz) - 1* LVDS (Max Resolution: 1920x1080@60Hz) - 2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz) - Support Triple Displays
Audio	<ul style="list-style-type: none"> - 2 Channel HD audio: Realtek ALC888S
Watchdog Timer	<ul style="list-style-type: none"> - From Super I/O to drag RESETCON# - 256 segments (10sec ~ 255min)
Internal I/O	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - 3* USB3.1 (Gen.2) - 3* USB2.0 - 2* HDMI - 2* RJ45 - 1* Line-out/MIC combo jack - 12~24V DC-in jack
Power	<p>12V~24V DC-in PWR</p> <ul style="list-style-type: none"> - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	<ul style="list-style-type: none"> - CE, FCC, LVD, RoHS, REACH
Temperature	<ul style="list-style-type: none"> - Operating: 0°C ~ 60°C - Storage: -40°C ~ 85°C - Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	<ul style="list-style-type: none"> - Windows 10, Windows 11, Linux
Warranty	<ul style="list-style-type: none"> - 2 Years Limited Warranty