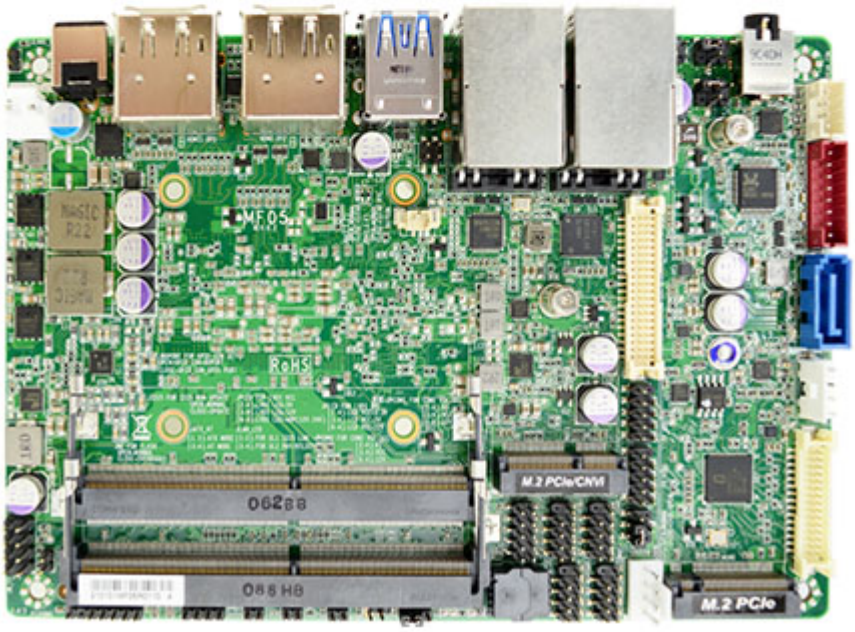

619.00 EUR
incl. 19% VAT, plus shipping

- Comet Lake-S Socket !
- 4x RS232 !
- 2x LAN !
- 3.5" Formfactor !

Support: Datasheet

The JETWAY MF05 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 & i225-LM 2.5GbE controllers, the MF05 Series offers one gigabit and one 2.5 gigabit ethernet. The MF05 is Jetway’s first Intel board to support the latest PCI Express 4.0 interface on the M.2 PCIe 4.0 x4 slot for NVME solid state drive. The MF05 is also Jetway’s first Intel board to support up to four independent 4K HDR displays or one 8K SDR displays. In addition, the MF05 has internal LVDS or eDP ports for customers integrating LCD panels. The JETWAY MF05 Series is suitable for Digital Signage, Industrial PCs, Edge Computing, Factory Automation, AI and IOT Solution applications. The MF05 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® i225-V 2.5GbE
- 2* HDMI, 2* DisplayPort, 1* eDP, 1* LVDS
- 4* COM (COM1/COM2 support RS232/422/485), 4* USB3.2 (Gen.2), 4* USB2.0
- 1* M.2 M-key 2242/2280, PCIe 4.0 x4 interface support NVME
- 1* M.2 E-key 2230, USB2.0/PCIe x1 interface support CNVi
- MF05V22: Onboard TPM 2.0 (option)

Model	– MF05V20 (i5-1145G7E Default) – MF05V22 (i5-1145G7E, TPM2.0) – MF05V90 (i5-1135G7) – MF05V92 (i5-1135G7, TPM2.0)
Form Factor	– 3.5” (5.8-in * 4.0-in, 148 * 102mm)
Processor System	– Intel® Tiger Lake i5-1145G7E SoC Processor (TDP 12~28W) (Default) – Intel® Tiger Lake i5-1135G7 SoC Processor (TDP 12~28W) – AMI Flash ROM BIOS
Expansion Slot	– M.2 E-key (2230) USB2.0/PCIex1 interface support CNVi
Memory	– 2* DDR4-3200 Dual Channel SO-DIMM up to 64GB total
Graphics	– Intel® HD Graphics, shared memory – 1* eDP (Max Resolution: 4096×2304@60Hz) – 1* LVDS (Max Resolution: 1920×1200@60Hz) – 2* HDMI 2.0b (Max Resolution: 4096×2160@60Hz) – 2* DP1.4 (Max Resolution: 4096×2304@60Hz) – Support Four independent 4K HDR Displays or One 8K SDR Displays (DP)
Ethernet	– 1* Intel i219-LM 1.0GbE – 1* Intel i225-V 2.5GbE
Audio	– HD audio: Realtek ALC888S-VD2 – 3W AMP speaker
Storage	– 1* SATAIII – M.2 M-key 2242/2280, PCIe 4.0 x4 interface, support NVME
Rear I/O	– 4* USB3.2(Gen. 2) – 2* DP – 2* HDMI – 2* RJ45 – Line-out/MIC Combo – DC-in (12-24V)
Internal I/O	– 4* USB 2.0 – 1* PS/2 – 1* LVDS / Inverter – 1* eDP – 4* COM (2* RS232/422/485, 2* RS232) – 1* SATAIII – 1* GPIO (8 bit) – 1* Chassis intrusion – 1* Speaker header (4pin) – 1* SMBUS – 1* AT/ATX mode jumper – Optional onboard TPM2.0 (MF05V22 / MF05V92)
Watchdog Timer	– From Super I/O to drag RESETCON# – 256 segments (10sec ~ 255min)

Power	DC-in 12-24V – AT: Directly PWR on as Power input ready – ATX: Press Button to PWR on after Power input ready – 90W adaptor is Recommended
Compliance	– CE, FCC, LVD, RoHS, REACH
Temperature	– Operating: 0°C ~ 60°C – Storage: -20°C ~ 85°C – Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	– Windows 10, Linux