



509.00 EUR

incl. 19% VAT, plus shipping

- **Intel Elkhart Lake SoC !**
- **HBDF20 !**

- Intel® Elkhart Lake SoC Processor (Default: J6412)
- Support 1\* DDR4 3200MHz SO-DIMM up to 32GB
- Support 8\* USB, 2\* RJ45, 4\* COM, 2\* HDMI
- All-aluminum body, produced by casting process
- Support DC12~24V input)

Model	<ul style="list-style-type: none"> <li>- HBFDF20-6412-B (Default) / HBFDF20I-6412-B (Default, WiFi)</li> <li>- HBFDF20-6412-T (TPM) / HBFDF20I-6412-T (TPM, WiFi)</li> <li>- HBFDF20-6412-E (32GB EMMC) / HBFDF20I-6412-E (32GB EMMC, WiFi)</li> <li>- HBFDF20-6412-Q (32GB EMMC, TPM) / HBFDF20I-6412-Q (32GB EMMC, TPM , WiFi)</li> </ul>
Model	<ul style="list-style-type: none"> <li>- MF20-00B (J6412 CPU_10W, Default)</li> <li>- MF20-02B (J6412 CPU_10W, TPM2.0)</li> <li>- MF20-03B (J6412 CPU_10W, EMMC)</li> <li>- MF20-07B (J6412 CPU_10W, 32GB EMMC, TPM2.0)</li> </ul>
CPU/Chipset	- Intel® Elkhart Lake SoC Processor (Default: J6412, TDP 10W)
BIOS	- AMI Flash ROM
Memory	- 1* DDR4 3200MHz SO-DIMM up to 32GB

Network	- 2* Intel® i225LM 2.5GbE
Graphics	- Intel® HD Graphics, shared memory - 2* HDMI (Max Resolution: 4096×2160@60Hz)
Storage	- 1* M.2 M-key (2242/2280, PCIe Gen.3 x2/SATA interface) support NVME - 1* 2.5" SATAIII 6Gb/s internal drive bay (Max. Height 9.5 mm) - 32GB eMMC onboard (option)
Expansion	- 1* M.2 E-key (2230, PCIe Gen.3 x1/USB2.0 interface) - 1* M.2 B-key (3042,USB3.1 /USB2.0 interface W/SIM card slot ) - TPM onboard (option)
Rear Panel I/O	- 3* USB3.1 (Gen2) - 3* USB2.0 - 2* HDMI - 2* RJ45 - Line-out/MIC combo jack - 1* DC in
Front Panel I/O	- 1* Power SW, 1* Reset - 1* Power LED, 1* HDD LED - 1* MIC - 1* Line-out - 4* COM (COM1 support RS485) - 2* USB2.0
Internal Connector	- SIM Card Holder
Power Source	- Adapter : AC 90~240V input / DC12V_60W output - MB : DC12~24V input
Compliance	- CE, FCC, LVD, RoHS, ErP Ready
Dimensions	- System: 193 (W) x 142.4 (D) x 62 (H) mm - Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm - Net Weight: 2.2KG - Gross Weight: 3.5KG

Temperature	<ul style="list-style-type: none"><li>- Operating Temperature: -20 ~ 60° C</li><li>- (Under the condition of using M.2 interface SSD)</li><li>- Operating Temperature: 0 ~ 50° C</li><li>- (Under the condition of using 2.5" SATA HDD)</li><li>- Storage Temperature: -20 ~ 85° C</li><li>- Humidity: 10% ~ 90% RH @40°C (non-condensing)</li></ul>
OS Support	<ul style="list-style-type: none"><li>- Windows 11, Linux</li></ul>