



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

- Intel Tiger Lake-UP3 !
- 4x 4K HDR or 1x 8K SDR !
- Support NVMe !
- 4x COM !

Support: [Datasheet](#)

January 2023: -V Version with Intel i225V LAN

- Intel® Tiger Lake-UP3 SoC Processor i5-1135G7E (TDP 15W)
- 2\* SO-DIMM DDR4-3200MHz up to 64GB
- 2\* USB2.0, 4\* USB3.2, 2\* HDMI, 2\* DP, 2\* RJ45, 1\*Audio
- Support 4\* 4K HDR Displays or 1\* 8K SDR Displays
- DC-12V\_60W Adapter

|          |                                                                                                                                  |                                                                                            |
|----------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| MB Model | – MF05-20 (i5-1145G7E / Default)<br>– MF05-22 (i5-1145G7E / TPM2.0)<br>– MF05-90 (i5-1135G7E)<br>– MF05-92 (i5-1135G7E / TPM2.0) |                                                                                            |
| Part No  | Non-Wifi                                                                                                                         | M.2 ac WiFi card                                                                           |
|          | – HBFDF05-45G7-B (Default)<br>– HBFDF05-45G7-T<br>– HBFDF05-35G7-B<br>– HBFDF05-35G7-T                                           | – HBFDF05I-45G7-B (Default)<br>– HBFDF05I-45G7-T<br>– HBFDF05I-35G7-B<br>– HBFDF05I-35G7-T |

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor       | <ul style="list-style-type: none"> <li>– Intel® Tiger Lake-UP3 Processor (TDP 15W), Default: 1145G7E</li> </ul> <p>Notes: When the system runs, CPU will automatically adjust its working clock frequency according to changing workload.</p>                                                                                                                                                                                   |
| Chipset         | <ul style="list-style-type: none"> <li>– SoC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                         |
| Memory          | <ul style="list-style-type: none"> <li>– 2 * SO-DIMM slots DDR4-3200MHz up to 64GB</li> </ul>                                                                                                                                                                                                                                                                                                                                   |
| Storage         | <ul style="list-style-type: none"> <li>– 1 * M.2 M-key (2242/2260/2280) Support PCIe4(NVMe)</li> </ul>                                                                                                                                                                                                                                                                                                                          |
| Network         | <ul style="list-style-type: none"> <li>– 1 * Intel® 1.0GbE (1* i219-LM)</li> <li>– 1 * Intel® 2.5GbE (1* i225-LM)</li> </ul>                                                                                                                                                                                                                                                                                                    |
| Expansion slot  | <ul style="list-style-type: none"> <li>– 1 * M.2 E-key (2230) USB2.0/PCIex1 interface support CNVi</li> </ul>                                                                                                                                                                                                                                                                                                                   |
| Front Panel I/O | <ul style="list-style-type: none"> <li>– 1* Power button</li> <li>– 1* Reset button</li> <li>– 1* Power LED</li> <li>– 1* HDD LED</li> <li>– 2* USB 2.0</li> <li>– 1* Line-out</li> <li>– 1* MIC-in</li> <li>– 4* COM (2 sets of installation, 2 sets of accessories box)</li> </ul>                                                                                                                                            |
| Rear Panel I/O  | <ul style="list-style-type: none"> <li>– 4* USB 3.2(Gen2)</li> <li>– 2* HDMI 2.0b (Max. resolution:4096 x 2160@60Hz)</li> <li>– 2* DP1.4 (Max. resolution:4096 x 2304@60Hz)</li> <li>– 2* RJ45</li> <li>– 1* Line-out/MIC Combo</li> <li>– 1* COM or GPIO (Optional)</li> <li>– 2* Antenna holes (Optional)</li> <li>– 1* DC-in</li> </ul>                                                                                      |
| Compliance      | <ul style="list-style-type: none"> <li>– CE, FCC, LVD, RoHS</li> </ul>                                                                                                                                                                                                                                                                                                                                                          |
| Power Source    | <ul style="list-style-type: none"> <li>– DC Adapter / AC 90~240V input /DC12V-5A-60W</li> <li>– M/B: DC 12~24V input</li> </ul>                                                                                                                                                                                                                                                                                                 |
| Safety          | <ul style="list-style-type: none"> <li>– CE, FCC, LVD, RoHS</li> </ul>                                                                                                                                                                                                                                                                                                                                                          |
| Temperature     | <ul style="list-style-type: none"> <li>– Operating Temperature: -20 ~ 50° C (Under the condition of using M.2 interface SSD)</li> <li>– Operating Temperature: 0 ~ 50° C (Under the condition of using 2.5" SATA HDD)</li> </ul> <p>(The test environment is closed and windless)</p> <ul style="list-style-type: none"> <li>– Storage Temperature: -20 ~ 70° C</li> </ul> <p>Humidity: Between 40% and 60%, non-condensing</p> |

|            |                                                                                                       |
|------------|-------------------------------------------------------------------------------------------------------|
| Dimensions | – 193 (W) x 142.4 (D) x 62 (H) mm                                                                     |
| Packing    | – Net Weight: 2.2KG<br>– Gross Weight: 3.2KG<br>– Color Box dimension: 250 (W) * 118 (D) * 295 (H) mm |
| OS Support | – Windows 10, Linux                                                                                   |