



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

- Q670E !
- DDR-5 !
- 2x LAN !



- Intel® 12/13th (Alder Lake-S/Raptor Lake-S) LGA1700 Socket Processor (Max. 65W TDP)
- Intel® Q670E chipset
- 2\* DDR5 4800MHz/5600MHz SO-DIMM up to 64GB
- 2\* 2.5GbE Ethernet Ports
- 2\* M.2 M-key, 1\* M.2 E-key, 1\* M.2 B-key
- Single PCI Express x16 (Gen.4)
- 2\* HDMI, 2\* DP support Quad displays
- 2\* RS232/422/485, 4\* RS232, 4\* USB3.2 (Gen.2), 4\* USB2.0
- Dimensions: 306 \* 199 \* 79 mm
- Adapter DC19V/120W

|             |                                                                                                                                                                   |  |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Model       | – HB651I215-Q670-B (non-WiFi)<br>– HB651I215I-Q670-B (WiFi)<br>– HB651I215-Q670-T (non-WiFi)<br>– HB651I215I-Q670-T (WiFi)                                        |  |
| CPU/Chipset | – Intel® 12th /13th (Alder Lake-S/Raptor Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor<br>– Max. 65W TDP<br>– Intel® Q670E chipset            |  |
| MB model    | – MI215Q6700<br>– MI215Q6702 (TPM2.0)                                                                                                                             |  |
| BIOS        | – AMI Flash ROM                                                                                                                                                   |  |
| Memory      | – Intel® 12th CPU support 2* DDR5 4800MHz Dual Channel SO-DIMM up to 64GB<br>– Intel® 13th CPU support 2* DDR5 5600MHz Dual Channel SO-DIMM up to 64GB            |  |
| Network     | – 1* Intel i225-V 2.5GbE<br>– 1* Intel i225-LM 2.5GbE                                                                                                             |  |
| Graphics    | – Intel® HD Graphics, shared memory<br>– 2* DP1.4a (Max Resolution: 4096×2304@60Hz)<br>– 2* HDMI 2.0b (Max Resolution: 4096×2160@60Hz)<br>– Support Quad Displays |  |
| Audio       | – HD audio: Realtek ALC888S (with 3W Amp.)                                                                                                                        |  |

|                    |                                                                                                                                                                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage            | <ul style="list-style-type: none"> <li>– 1* M.2 M-key (2242, SATA/PCIe Gen.4 x4 interface) support NVMe</li> <li>– 1* M.2 M-key (2280, SATA/PCIe Gen.3 x4 interface) support NVMe</li> <li>– 1* 2.5" SATA Device</li> </ul>                                                                                                                                    |
| Expansion          | <ul style="list-style-type: none"> <li>– 1* M.2 E-key (2230, PCIe x1/USB2.0 interface) support CNVio</li> <li>– 1* M.2 B-key (3042/3052, USB3.1/USB2.0/PCIe x1 interface)</li> </ul>                                                                                                                                                                           |
| Rear Panel I/O     | <ul style="list-style-type: none"> <li>– 4* USB3.2 (Gen.2)</li> <li>– 2* LAN</li> <li>– 2* HDMI</li> <li>– 2* DP</li> <li>– 1* Audio jack (Line-out/MIC combo)</li> <li>– 1* DC-in (3 PIN Industrial Connector)</li> <li>– 5* COM (2* RS232/422/485, 3* RS232)</li> </ul>                                                                                      |
| Front Panel I/O    | <ul style="list-style-type: none"> <li>– 1* Power button</li> <li>– 1* Reset</li> <li>– 1* Power LED</li> <li>– 1* HDD LED</li> <li>– 4* USB2.0</li> <li>– 1* FAN link con</li> </ul>                                                                                                                                                                          |
| Internal Connector | <ul style="list-style-type: none"> <li>– SIM Card Holder</li> <li>– 1* GPIO</li> </ul>                                                                                                                                                                                                                                                                         |
| Power Source       | <ul style="list-style-type: none"> <li>– Adapter : AC 90~240V input / DC19V_120W output</li> <li>– MB : DC12~36V input</li> </ul>                                                                                                                                                                                                                              |
| Compliance         | – CE, FCC, LVD, RoHS, ErP Ready                                                                                                                                                                                                                                                                                                                                |
| Dimensions         | <ul style="list-style-type: none"> <li>– System: 306 (W) * 199 (D) * 79 (H) mm</li> <li>– Net Weight: 5.5 KG: Gross Weight: 6.5 KG</li> </ul>                                                                                                                                                                                                                  |
| Temperature        | <ul style="list-style-type: none"> <li>– Operating Temperature: -20 ~ 60° C (35W CPU)</li> <li>– Operating Temperature: -20 ~ 50° C (65W CPU)</li> </ul> <p>(Under the condition of using M.2 interface SSD)</p> <ul style="list-style-type: none"> <li>– Storage Temperature: -40 ~ 85° C</li> <li>– Humidity: 10% ~ 95% RH @40°C (non-condensing)</li> </ul> |
| OS Support         | – Windows 11, Linux                                                                                                                                                                                                                                                                                                                                            |