

739.00 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	<ul style="list-style-type: none"> <li>- HB651I215-Q670-B (non-WiFi)</li> <li>- HB651I215I-Q670-B (WiFi)</li> <li>- HB651I215-Q670-T (non-WiFi)</li> <li>- HB651I215I-Q670-T (WiFi)</li> </ul>	
CPU/Chipset	<ul style="list-style-type: none"> <li>- Intel® 12th /13th (Alder Lake-S/Raptor Lake-S) LGA1700 Socket Core i9/i7/i5/i3/Pentium/Celeron Processor</li> <li>- Max. 65W TDP</li> <li>- Intel® Q670E chipset</li> </ul>	
MB model	<ul style="list-style-type: none"> <li>- MI215Q6700</li> <li>- MI215Q6702 (TPM2.0)</li> </ul>	
BIOS	<ul style="list-style-type: none"> <li>- AMI Flash ROM</li> </ul>	
Memory	<ul style="list-style-type: none"> <li>- Intel® 12th CPU support 2* DDR5 4800MHz Dual Channel SO-DIMM up to 64GB</li> <li>- Intel® 13th CPU support 2* DDR5 5600MHz Dual Channel SO-DIMM up to 64GB</li> </ul>	
Network	<ul style="list-style-type: none"> <li>- 1* Intel i225-V 2.5GbE</li> <li>- 1* Intel i225-LM 2.5GbE</li> </ul>	
Graphics	<ul style="list-style-type: none"> <li>- Intel® HD Graphics, shared memory</li> <li>- 2* DP1.4a (Max Resolution: 4096x2304@60Hz)</li> <li>- 2* HDMI 2.0b (Max Resolution: 4096x2160@60Hz)</li> <li>- Support Quad Displays</li> </ul>	
Audio	<ul style="list-style-type: none"> <li>- HD audio: Realtek ALC888S (with 3W Amp.)</li> </ul>	

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	<ul style="list-style-type: none"> <li>- CE, FCC, LVD, RoHS, ErP Ready</li> </ul>
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> <li>(Under the condition of using M.2 interface SSD)</li> <li>- Storage Temperature: -40 ~ 85° C</li> <li>- Humidity: 10% ~ 95% RH @40°C (non-condensing)</li> </ul>
OS Support	<ul style="list-style-type: none"> <li>- Windows 11, Linux</li> </ul>