



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

- Q470E !
- LGA1200 !
- 2x LAN !

- 1. Intel® 10/11th LGA 1200 Socket Comet Lake-S Processor
- 2\* Dual CH DDR4 2933MHz SO-DIMM up to 64GB
- 8\* USB, 2\* RJ45, 1\* Line-out, 1\* Mic, 1\* DP, 2\* HDMI, 4\* COM (Max)
- 1\* M.2 M-key 2280, 1\* M.2 E-key 2230, 1\* M.2 B-key 3042/3052
- Support TPM2.0 (option)
- Dimensions: 224 \* 199 \* 63 mm
- DC19V/ 120W Adapter

|             |                                                                                                                                                                                                                                                                                             |  |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Model       | <ul style="list-style-type: none"> <li>– HB650I02-Q470-B (non-WiFi)</li> <li>– HB650I02I-Q470-B (WiFi)</li> <li>– HB650I02-Q470-T (TPM/non-WiFi)</li> <li>– HB650I02I-Q470-T (TPM/WiFi)</li> </ul>                                                                                          |  |
| CPU/Chipset | <ul style="list-style-type: none"> <li>– Intel® 10/11th LGA 1200 Socket Core i9/i7/i5/i3/Pentium/Celeron Comet Lake-S Processor (Max. 65W TDP)</li> <li>– Intel Q470E Express chipset</li> </ul>                                                                                            |  |
| MB Model    | <ul style="list-style-type: none"> <li>– MI02-10</li> <li>– MI02-12 (TPM2.0)</li> </ul>                                                                                                                                                                                                     |  |
| BIOS        | – AMI Flash ROM                                                                                                                                                                                                                                                                             |  |
| Memory      | <ul style="list-style-type: none"> <li>– 2* Dual CH DDR4 2933/2666/2400MHz SDRAM SO-DIMM up to 64GB</li> <li>* Core i9 / i7 CPUs support DDR4 up to 2933MHz</li> <li>* Core i5 / i3 CPUs support DDR4 up to 2666MHz</li> <li>* Pentium / Celeron CPUs support DDR4 up to 2400MHz</li> </ul> |  |
| Network     | <ul style="list-style-type: none"> <li>– 1 * Intel i219LM GbE</li> <li>– 1 * Intel i225LM 2.5GbE</li> </ul>                                                                                                                                                                                 |  |
| Graphics    | <ul style="list-style-type: none"> <li>– Intel® HD Graphics, shared memory</li> <li>– 2* HDMI 1.4 (Max Resolution: 4096×2160@30Hz)</li> <li>– 1* DP (Max Resolution: 4096×2304@60Hz)</li> <li>– Support Triple Displays</li> </ul>                                                          |  |
| Storage     | – 1* M.2 M-key (2280, PCIe4/SATA interface) support NVME                                                                                                                                                                                                                                    |  |

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|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Expansion          | <ul style="list-style-type: none"> <li>– 1* M.2 E-key (2230, PCIe1/USB2.0) support CNVi</li> <li>– 1* M.2 B-key (3042/3052, PCIe1/USB3.0) W/SIM card slot</li> </ul>                                                                             |
| Rear Panel I/O     | <ul style="list-style-type: none"> <li>– 2* RJ45</li> <li>– 4* USB3.2(Gen.1)</li> <li>– 1* DP</li> <li>– 2* HDMI</li> <li>– 1* Line out, 1* Mic</li> <li>– 1* DC in (Industrial Connector)</li> <li>– 4* COM (option)</li> </ul>                 |
| Front Panel I/O    | <ul style="list-style-type: none"> <li>– 1* Power button , 1* Reset</li> <li>– 1* Power LED, 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> </ul>                                                                                                                                                                              |
| Power Source       | <ul style="list-style-type: none"> <li>– Adapter : AC 90~240V input / DC19V_120W output</li> <li>– MB : DC12~28V 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 : 224 (W) * 199 (D) * 63 (H) mm</li> <li>– Package : 406 (W) * 359 (D) * 148 (H) mm</li> <li>– Net Weight: 4 KG</li> <li>– Gross Weight: 5 KG</li> </ul>                                         |
| Temperature        | <ul style="list-style-type: none"> <li>– Operating Temperature: -20 ~ 60° C<br/>(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>                                                                                                                                                                            |