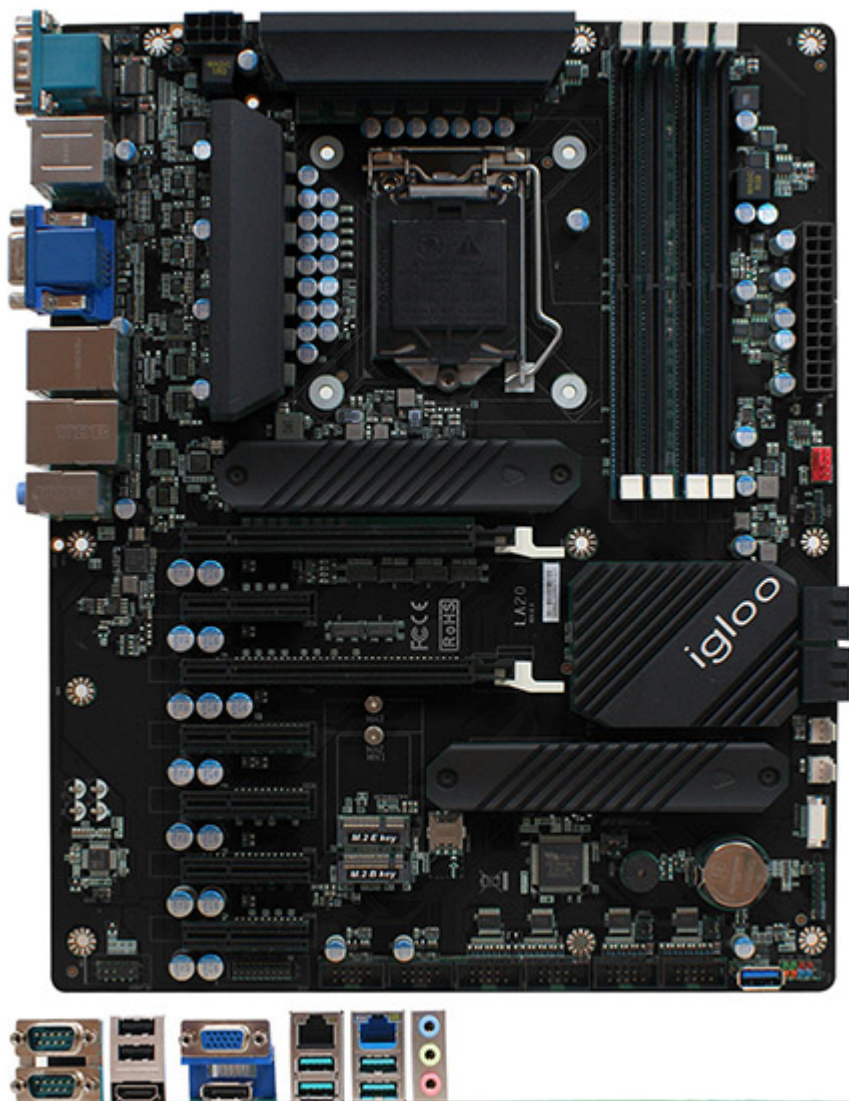




469.00 EUR

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

- LGA1200 !
- 2x COM !
- 2x LAN !
- ATX Format !

- Intel® LGA1200 Socket supports 10/11th Gen. Core Processor (Max 125W)
- Intel® Comet Lake-S Q470E chipset
- 4\* DDR4 3200/2933MHz up to 128GB
- 1\* Intel® i225-V 2.5GbE, 1\* Intel® i219-LM GbE
- 2\* M.2 M Key (NVMe), 1\* M.2 E Key (CNVi), 1\* M.2 B Key
- 4\* SATA III (6Gb/s), support Raid 0/1/5/10
- 1\* VGA, 1\* HDMI, 1\* DP
- 2\* RS232/422/485, 4\* RS232, 4\* USB3.2 (Gen.2), 1\* USB3.2 (Gen.1), 6\* USB2.0
- 2\* PCI-E x16, 5\* PCI-E x 4 Slots
- 2\* CPU FAN, 2\* System FAN
- 24 + 8 Pin ATX Power Input
- ATX Form Factor (305x244mm)

|             |                                   |  |
|-------------|-----------------------------------|--|
| Model       | – JLA20-10<br>– JLA20-12 (TPM2.0) |  |
| Form Factor | – ATX (305 x 244mm)               |  |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor System | <ul style="list-style-type: none"> <li>– Intel® LGA1200 Socket supports 10th/11th Gen Core Processor Max 125W</li> <li>– Intel® Q470E chipset</li> <li>– AMI 256M Flash ROM</li> </ul>                                                                                                                                                                                                                                                                                                                              |
| Memory           | – 4* DDR4 3200/2933 MHz Long DIMM up to 128GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Storage          | <ul style="list-style-type: none"> <li>– 4* SATAIII (6.0Gb/s, Support Raid 0/1/5/10)</li> <li>– 2* M.2 M-key (2242/2280, support NVMe, M2M1 Only 11th CPU)</li> </ul>                                                                                                                                                                                                                                                                                                                                               |
| Expansion        | <ul style="list-style-type: none"> <li>– 1* M.2 B-key (3042/3052, USB3.2+PCI-Ex1 interface, Support 4G/5G Module)</li> <li>– 1* M.2 E-key (2230, CNVi+USB2.0 interface, Support WIFI/BT Module)</li> <li>– 2* PCIe x16 slots (by CPU)</li> <li>– 5* PCIe x4 slots (PCIe2 by CPU, PCIe4 is PCIe x1 interface)</li> </ul>                                                                                                                                                                                             |
| Ethernet         | <ul style="list-style-type: none"> <li>– 1* Intel® i219-LM GbE</li> <li>– 1* Intel® i225-V 2.5GbE</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                        |
| Graphics         | <ul style="list-style-type: none"> <li>– Intel® HD Graphics, shared memory</li> <li>– 1* VGA (Max Resolution: 2560×1600@60Hz)</li> <li>– 1* DP1.2 (Max Resolution: 4096×2304@60Hz)</li> <li>– 1* HDMI 1.4 (Max Resolution: 4096×2160@30Hz)</li> </ul>                                                                                                                                                                                                                                                               |
| Audio            | – Line-in, Line-out, MIC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Watchdog Timer   | <ul style="list-style-type: none"> <li>– From Super I/O to drag RESETCON#</li> <li>– 256 segments (10sec ~ 255min)</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       |
| Internal I/O     | <ul style="list-style-type: none"> <li>– 4* USB2.0</li> <li>– 1* USB3.2 (Gen1, TYPE A)</li> <li>– 4* RS232 (COM3/4 support 5/12V TTL)</li> <li>– 4* M.2 (2* M-key, 1* B-key, 1* E-key)</li> <li>– 2* PCIe x16 slots (by CPU)</li> <li>– 5* PCIe x4 slots (PCIe2 by CPU, PCIe4 is PCIe x1 interface)</li> <li>– 1* GPIO (16 bit, 5V)</li> <li>– 1* PS/2</li> <li>– 2* CPU FAN (Support Smart FAN)</li> <li>– 2* System FAN</li> <li>– 1* Chassis intrusion</li> <li>– 1* SMBUS/ I2C</li> <li>– 1* AT mode</li> </ul> |
| External I/O     | <ul style="list-style-type: none"> <li>– 2* RS232/422/485 (Support 5V/12V TTL)</li> <li>– 4* USB3.2 (Gen.2)</li> <li>– 2* USB2.0</li> <li>– 1* VGA</li> <li>– 1* HDMI</li> <li>– 1* DP</li> <li>– 2* RJ45</li> <li>– Line-in, Line-out, MIC</li> </ul>                                                                                                                                                                                                                                                              |
| Power            | <p>ATX PWR (8 + 24 pin)</p> <ul style="list-style-type: none"> <li>– AT: Directly PWR on as Power input ready</li> <li>– ATX: Press Button to PWR on after Power input ready</li> </ul>                                                                                                                                                                                                                                                                                                                             |
| Compliance       | – CE, FCC, RoHS, REACH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Temperature      | <ul style="list-style-type: none"> <li>– Operating Temperature: 0 ~ 60° C</li> <li>– Storage Temperature: -20 ~ 70° C</li> <li>– Humidity: 10% ~ 90% RH @40°C (non-condensing)</li> </ul>                                                                                                                                                                                                                                                                                                                           |
| OS Support       | – Windows 10, Windows 11, Linux                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |