



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 - 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	<ul style="list-style-type: none"> <li>- 4* DDR4 3200/2933 MHz Long DIMM up to 128GB</li> </ul>
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: 2560x1600@60Hz)</li> <li>- 1* DP1.2 (Max Resolution: 4096x2304@60Hz)</li> <li>- 1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)</li> </ul>
Audio	<ul style="list-style-type: none"> <li>- Line-in, Line-out, MIC</li> </ul>
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	<ul style="list-style-type: none"> <li>ATX PWR (8 + 24 pin)</li> <li>- AT: Directly PWR on as Power input ready</li> <li>- ATX: Press Button to PWR on after Power input ready</li> </ul>
Compliance	<ul style="list-style-type: none"> <li>- CE, FCC, RoHS, REACH</li> </ul>
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	<ul style="list-style-type: none"> <li>- Windows 10, Windows 11, Linux</li> </ul>