



479.00 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	<ul style="list-style-type: none"> - JLA20-10 - JLA20-12 (TPM2.0) 	
Form Factor	- ATX (305 x 244mm)	

Processor System	<ul style="list-style-type: none"> - Intel® LGA1200 Socket supports 10th/11th Gen Core Processor Max 125W - Intel® Q470E chipset - AMI 256M Flash ROM
Memory	<ul style="list-style-type: none"> - 4* DDR4 3200/2933 MHz Long DIMM up to 128GB
Storage	<ul style="list-style-type: none"> - 4* SATAIII (6.0Gb/s, Support Raid 0/1/5/10) - 2* M.2 M-key (2242/2280, support NVMe, M2M1 Only 11th CPU)
Expansion	<ul style="list-style-type: none"> - 1* M.2 B-key (3042/3052, USB3.2+PCI-Ex1 interface, Support 4G/5G Module) - 1* M.2 E-key (2230, CNVi+USB2.0 interface, Support WIFI/BT Module) - 2* PCIe x16 slots (by CPU) - 5* PCIe x4 slots (PCIE2 by CPU, PCIE4 is PCIe x1 interface)
Ethernet	<ul style="list-style-type: none"> - 1* Intel® i219-LM GbE - 1* Intel® i225-V 2.5GbE
Graphics	<ul style="list-style-type: none"> - Intel® HD Graphics, shared memory - 1* VGA (Max Resolution: 2560x1600@60Hz) - 1* DP1.2 (Max Resolution: 4096x2304@60Hz) - 1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)
Audio	<ul style="list-style-type: none"> - Line-in, Line-out, MIC
Watchdog Timer	<ul style="list-style-type: none"> - From Super I/O to drag RESETCON# - 256 segments (10sec ~ 255min)
Internal I/O	<ul style="list-style-type: none"> - 4* USB2.0 - 1* USB3.2 (Gen1, TYPE A) - 4* RS232 (COM3/4 support 5/12V TTL) - 4* M.2 (2* M-key, 1* B-key, 1* E-key) - 2* PCIe x16 slots (by CPU) - 5* PCIe x4 slots (PCIE2 by CPU, PCIE4 is PCIe x1 interface) - 1* GPIO (16 bit, 5V) - 1* PS/2 - 2* CPU FAN (Support Smart FAN) - 2* System FAN - 1* Chassis intrusion - 1* SMBUS/ I2C - 1* AT mode
External I/O	<ul style="list-style-type: none"> - 2* RS232/422/485 (Support 5V/12V TTL) - 4* USB3.2 (Gen.2) - 2* USB2.0 - 1* VGA - 1* HDMI - 1* DP - 2* RJ45 - Line-in, Line-out, MIC
Power	<ul style="list-style-type: none"> ATX PWR (8 + 24 pin) - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	<ul style="list-style-type: none"> - CE, FCC, RoHS, REACH
Temperature	<ul style="list-style-type: none"> - Operating Temperature: 0 ~ 60° C - Storage Temperature: -20 ~ 70° C - Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	<ul style="list-style-type: none"> - Windows 10, Windows 11, Linux