

JLA20-10S

Intel® Comet Lake-S Q470E, supports LGA1200 CPU (Max 125W), DDR4-2933MHz up to 128GB, without heatsink

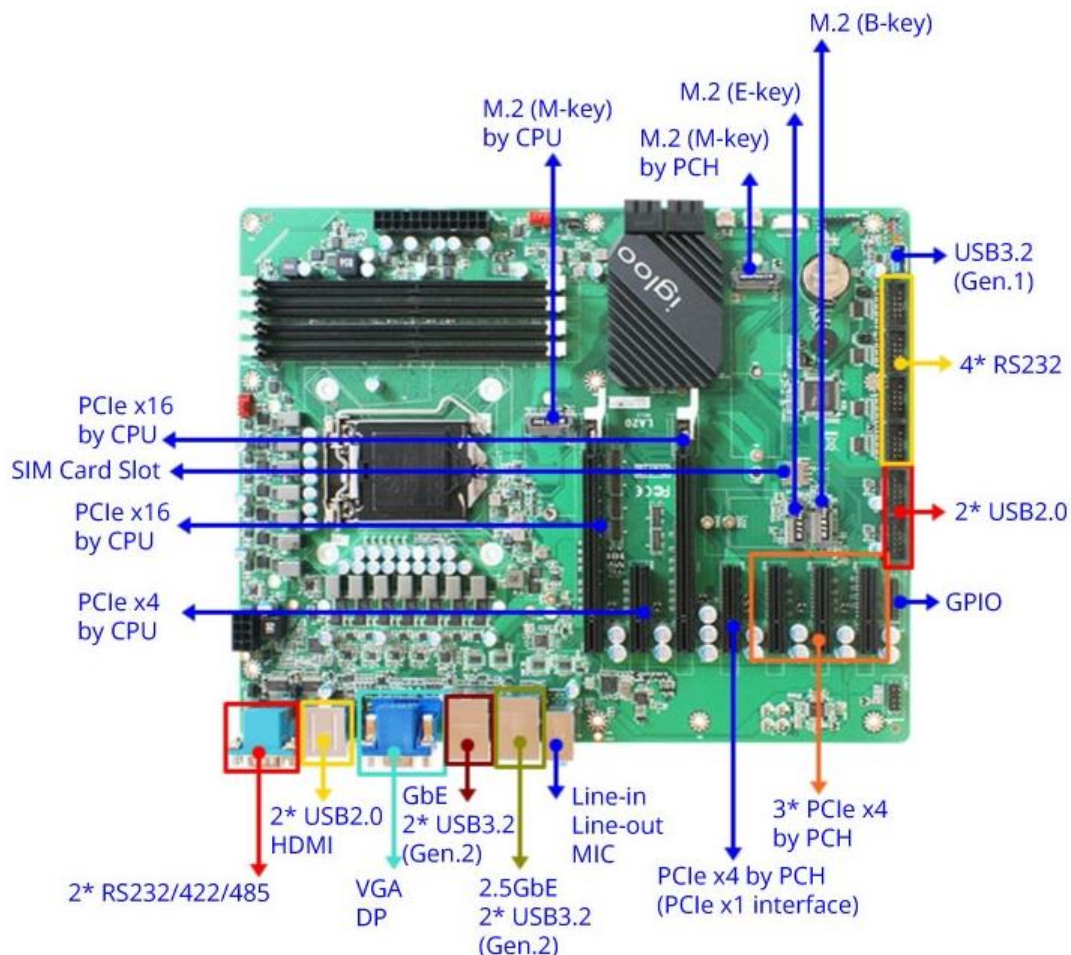
Features

1. Intel® LGA1200 Socket supports 10/11th Gen. Core Processor (Max 125W)
2. Intel® Comet Lake-S Q470E chipset
3. 4* DDR4 2933MHz up to 128GB
4. 1* Intel® i225-V 2.5GbE, 1* Intel® i219-LM GbE
5. 2* M.2 M Key (NVMe), 1* M.2 E Key (CNVi), 1* M.2 B Key
6. 4* SATA III (6Gb/s), support Raid 0/1/5/10
7. 1* VGA, 1* HDMI, 1* DP
8. 2* RS232/422/485, 4* RS232, 4* USB3.2 (Gen.2), 1* USB3.2 (Gen.1), 6* USB2.0
9. 2* PCI-E x16, 5* PCI-E x 4 Slots
10. 2* CPU FAN, 2* System FAN
11. 24 + 8 Pin ATX Power Input
12. ATX Form Factor (305x244mm)



intel. FC CE RoHS COMPLIANT

I/O Diagram



Specifications

Model	<ul style="list-style-type: none"> JLA20-10S
Form Factor	<ul style="list-style-type: none"> 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 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, PCI-Ex4 interface, 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: 1920x1080@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* SATAIII 4* M.2 (2* M-key, 1* B-key, 1* E-key) 2* PCIe x16 slots 5* PCIe x4 slots 1* GPIO (16 bit, 5V) 1* PS/2 1* SIM card slot 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	<p>ATX Power (8 + 24 pin)</p> <ul style="list-style-type: none"> - 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, LVD, RoHS, REACH compatible
Temperature	<ul style="list-style-type: none"> Operating Temperature: 0 ~ 60° C Storage Temperature: -20 ~ 85° C Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	<ul style="list-style-type: none"> Windows 10, Windows 11, Linux
Warranty	<ul style="list-style-type: none"> 2 Years limited warranty

* Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

Standard Accessories

Part Number	Description
JLA20-10S	JLA20-10S M/B
F04-MB-088-F	LA20 I/O Shield
G01-COM9X2-30A-1F	2* COM Cable
G01-SATA3-BL-1F	2* SATA Cable

Mechanical Drawings (Unit=mm)

