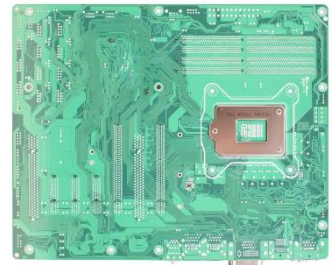


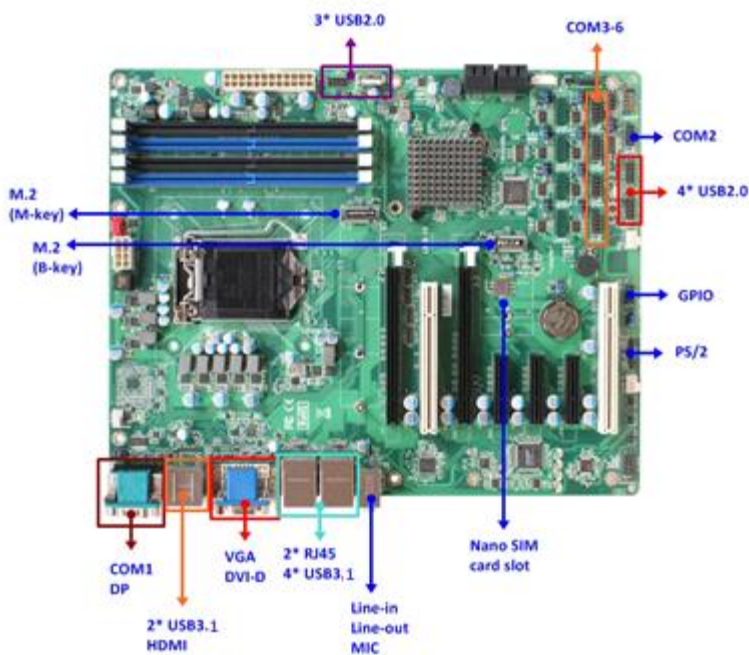
## JLA1Q-10

Intel® Coffee Lake-S Q370 Chip, support LGA1151 CPU (Max. 125W), DDR4 up to 128GB

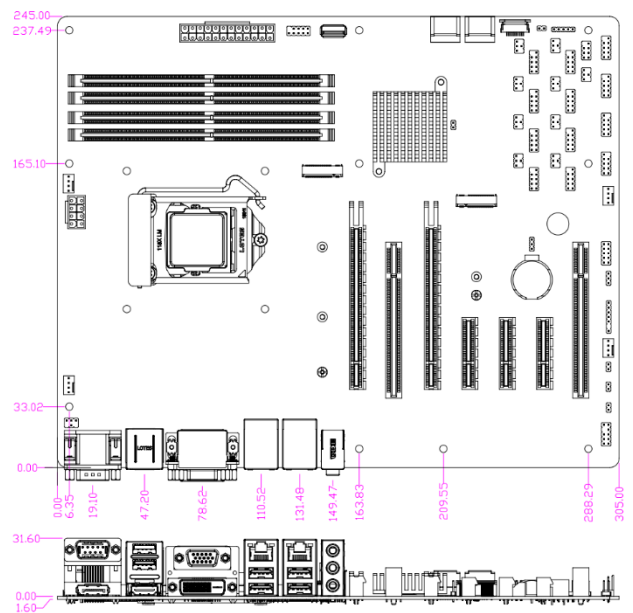
1. Intel® LGA1151 Socket supports 9th/8th Gen Core Processor (Max 125W)
2. Intel® Coffee Lake-S Q370 Chip
3. 4\* DDR4 2666/2400/2133MHz up to 128GB
4. 1\* Intel® I219LM GbE, 1\* Intel® i211AT GbE, 1\* M.2 B-key Support 3G/4G Module
5. 4\* SATA III (6Gb/s), 1\* M.2 (M-key), 2\* PCIe x16, 3\* PCIe x4, 2\* PCI
6. 1\* VGA, 1\* DVI-D, 1\* HDMI, 1\* DP, support triple displays
7. 2\* RS232/422/485 (COM1/2), 4\*RS232
8. 6\* USB3.1 (Gen.1), 7\* USB2.0
9. ATX Power Input
10. ATX Form Factor (305 \*244 mm)



### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

### Model

JLA1Q-10

### Processor System

- Intel® LGA1151 Socket Supports 9th and 8th Gen Core Processor Max 125W
- Intel Q370 Express chipset
- AMI 128Mb Flash ROM BIOS

### Memory

4\* DDR4 2666/2400/2133 MHz DRAM up to 128GB

### Ethernet

- 1 \* Intel I219LM GbE
- 1 \* Intel i211AT GbE

### SATA

4\* SATAIII (6.0Gb/s, support RAID 0/1/5/10)

### Internal Connector

- 6\* USB2.0
- 1\* USB2.0 (vertical)
- 1\* PS/2
- 5\* COM (COM2: RS232/422/485, COM3/4/5/6: RS232, support 5/12V TTL)
- 4\* SATAIII (6.0Gb/s)
- 1\* M.2 (M-key)
- 1\* GPIO (8 bit)
- 1\* Chassis intrusion
- 1\* Audio Header
- 1\* SMBUS/I2C
- 1\* AT mode
- Support TPM2.0 (option)

### Power

ATX PWR (4+24 pin), AT/ATX Supported

- AT: Directly PWR on as Power input ready

- ATX: Press Button to PWR on after Power input ready

### Temperature

- Operating: 0°C ~ 60°C
- Storage: -20°C ~ 85°C
- Humidity: 10% ~ 90% RH @40°C (non-condensing)

### Warranty

2 Years Limited Warranty

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

### Form Factor

ATX (305 \* 244mm)

### Expansion Slot

- 1\* M.2 (M-key, 2242/2280/22110, SATA/PCIe x4) support NVMe
- 1\* M.2 (B-key, 3042/3052) support 3G/4G Module
- 4\* SATAIII (6.0Gb/s, support RAID 0/1/5/10)
- 2\* PCIe x16 (By CPU)
- 3\* PCIe x4
- 2\* PCI
- 1\* SIM card slot (Nano)

### Graphics

- Intel® HD Graphics, shared memory
- 1\* VGA (Max Resolution: 1920x1080@60Hz)
- 1\* HDMI 1.4 (Max Resolution: 4096x2304@24Hz)
- 1\* DVI-D (Max Resolution: 4096x2304@24Hz)
- 1\* DP (Max Resolution: 4096x2304@60Hz)
- Support Triple Displays

### Audio

HD audio: Realtek ALC888S

### Rear I/O

- 1\* VGA
- 1\* DVI-D
- 1\* HDMI
- 1\* DP
- 2\* RJ45 Ethernet
- 6\* USB 3.1 (Gen. 1)
- Line-in, Line-out, MIC
- 1\* RS232/422/485 (support 5/12V TTL)

### Watchdog Timer

- From Super I/O to drag RESETCON#
- 256 segments (10sec ~ 255min)

### Compliance

CE, FCC, RoHS, REACH

### OS Support

Windows 10, Linux

## Standard Accessories

Parts Number	Description	Parts Number	Description
-----	JLA1Q-10 M/B	G01-SATA3-BL-1F	2* SATAIII cable
F04-MB-007-1F	I/O shield	G01-COM9X3-30A-2F	1* COM cable