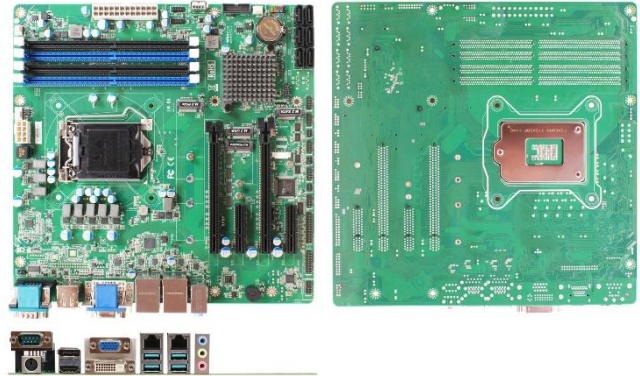




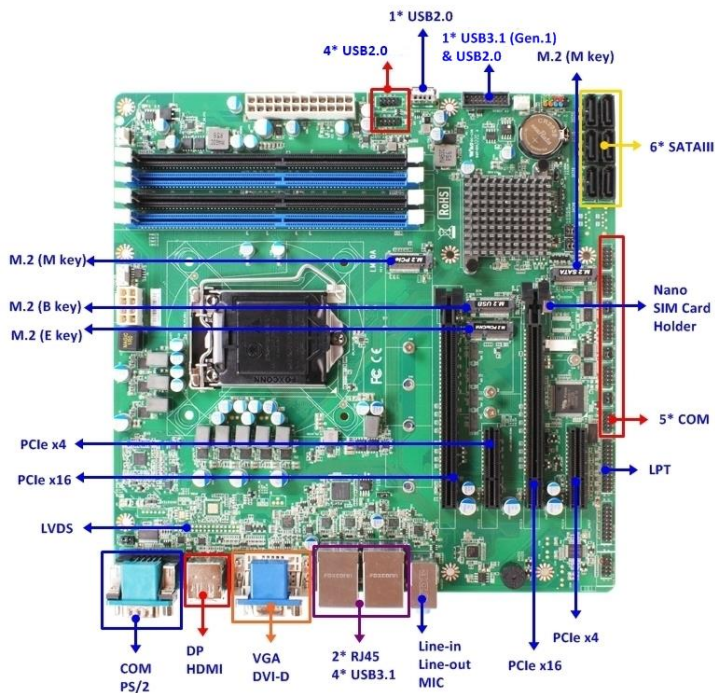
JLM-0A1

Intel® Coffee Lake-S Q370 Chipset, support LGA1151 CPU (Max 95W), DDR4 up to 128GB, 6* SATAIII

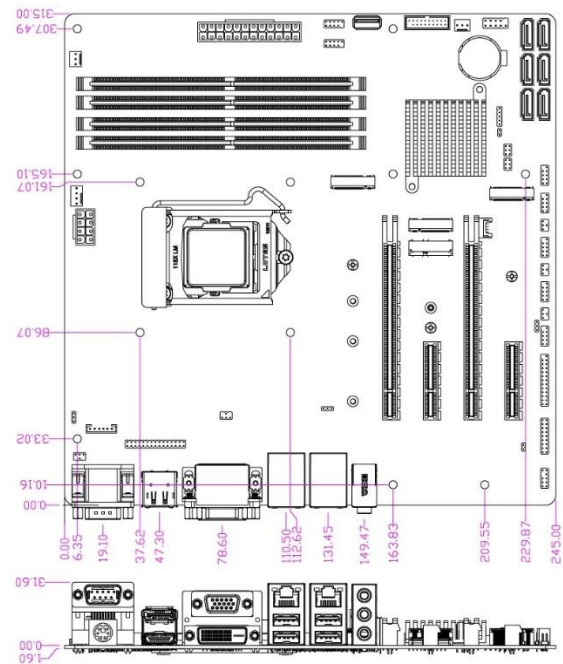
1. Intel® LGA1151 Socket supports 9th/8th Gen. Core Processor (Max 95W)
2. Intel® Coffee Lake-S Q370 Chip
3. Support 4* DDR4 2666/2400/2133MHz up to 128GB
4. 1* Intel® I219-V GbE + 1* Intel® i210AT GbE
5. 6* SATA III (6Gb/s) & 2* M.2 (M key), 1* M.2 (E key) supports CNVi, 2* PCI-E x16, 2* PCI-E x4
6. VGA/DVI-D/HDMI/DP/LVDS Output
7. 2* RS232/422/485 (COM1/2), 4*RS232
8. 5* USB3.1, 6* USB2.0
9. ATX Power Input
10. Micro ATX Form Factor (244 x 244 mm)



I/O Diagram



Mechanical Drawings (Unit = mm)



Specifications

Model

JLM-OA1

Processor System

- Intel® LGA1151 Socket supports 9th/8th Gen. Core Processor (Max 95W)
- Intel Q370 chipset
- AMI 128Mb Flash ROM BIOS

Memory

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

Ethernet

- 1* Intel® I219-V GbE
- 1* Intel® i210AT GbE

Rear I/O

- 1* VGA
- 1* DVI-D
- 1* HDMI
- 1* DP
- 2* RJ45
- 4* USB3.1
- Line-in, Line-out, MIC
- 1* RS232/422/485 (support 5/12V TTL)
- 1* PS/2

SATA

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

Power

ATX PWR (8+24 pin)

- 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

Warranty

2 Years Limited Warranty

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

Form Factor

Micro ATX (244 x 244 mm)

Expansion Slot

- 2* M.2 (M key): 1* 2242/2280/22110 (support NVMe), 1* 2242 (SATA interface, co-lay SATA6)
- 1* M.2 (B key, 3042/3052) support 3G/4G/5G Module
- 1* M.2 (E key, 2230) support CNVi
- 6* SATAIII (SATA6 co-lay M.2 2242, support RAID 0/1/5/10)
- 2* PCI-E x16
- 2* PCI-E x4
- 1* SIM card holder (Nano)

Graphics

- Intel® HD Graphics, shared memory
- 1* VGA (Max Resolution: 1920x1200@60Hz, Co-lay LVDS)
- 1* LVDS (Max Resolution: 1920x1200@60Hz, Co-lay VGA, Option)
- 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 ALC662VD

Internal I/O

- 1* USB 3.1 (Gen.1)
- 5* USB 2.0
- 1* USB 2.0 (Erect)
- 1* LVDS (Co-lay VGA)
- 5* COM (COM2: RS232/422/485, COM3/4/5/6: RS232, COM2/3/4: Support 5/12V TTL)
- 6* SATAIII (6.0Gb/s, SATA6 co-lay M.2 M key)
- 4* M.2 (2* M key, 1* E key, 1* B key)
- 1* Parallel
- 1* GPIO (16 bit)
- 1* Chassis intrusion
- 1* Audio Header
- 1* SMBUS/I2C
- 1* AT mode
- 1* TPM2.0 (Option)

Watchdog Timer

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

Compliance

CE, FCC, RoHS, REACH

OS Support

Accessories

Parts Number	Description	Parts Number	Description
-----	JLM-OA1 M/B	G01-COM-H2M22-1F	COM cable
G01-SATA3-BL-1F	SATAIII cable	F04-MB-OXX-F	LMOA1 Cable kit