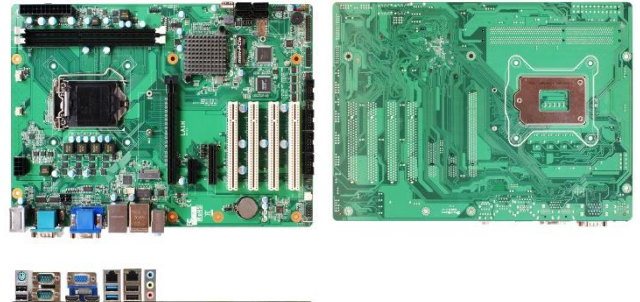


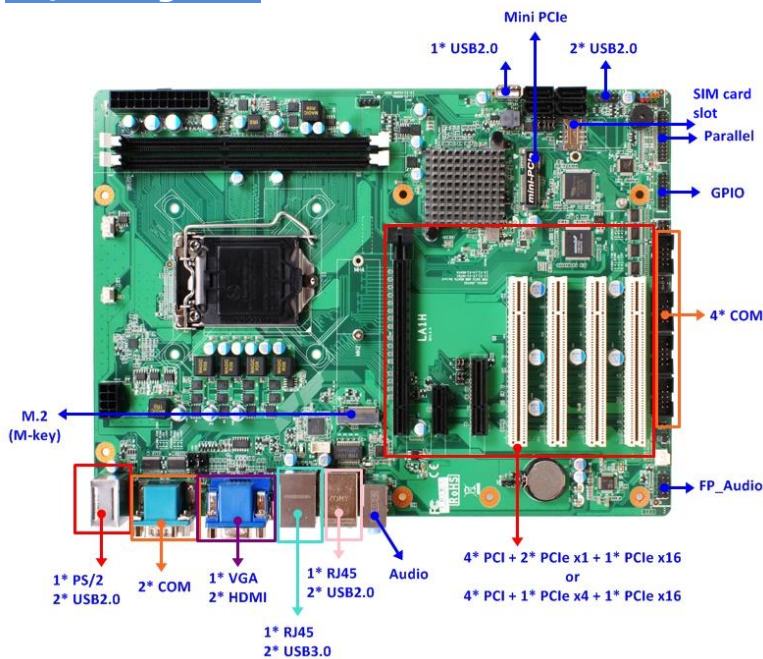
## JLA1H-00 Series

Intel® Lynx Point H81 Chip, support LGA1150 CPU (Max 90W), DDR3 up to 16GB

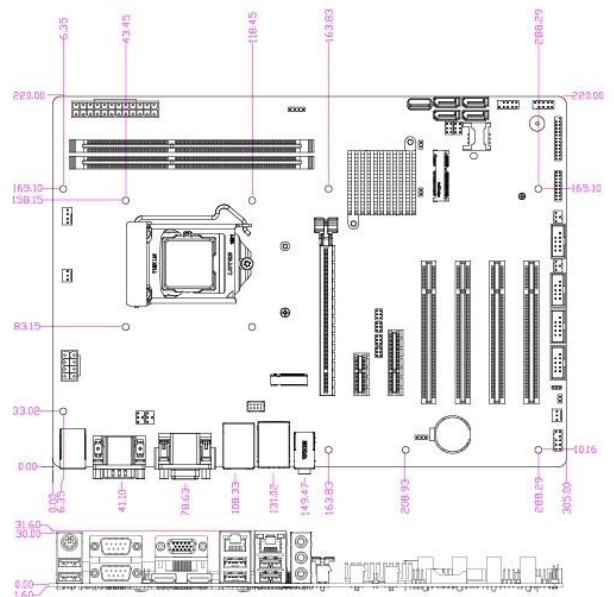
1. Intel® LGA1150 Socket support 4th Gen. Core Processor (Max. 90W)
2. Intel® Lynx Point H81 Chip
3. 2\* DDR3/DDR3L 1600/1333MHz up to 16GB
4. Realtek HD Audio
5. 1\* Intel®i217LM GbE, 1\* Intel® i211AT GbE
6. 4\* SATA, 1\* M.2 (M key), 1\* PCIe x16, 1\* PCIe x4, 1\*PCIe x1, 4\* PCI
7. 1\* VGA, 2\* HDMI
8. 2\* RS232/422/485 (COM1/2), 4\* RS232, 2\* USB3.0, 7\* USB2.0
9. ATX Power Input
10. ATX Form Factor (305 \*220 mm)



### I/O Diagram



### Mechanical Drawings (Unit = mm)



## Specifications

### Model

- JLA1H-00
- JLA1H-0A (Without Audio function)

### Processor System

- Intel® LGA1150 Socket supports 4th Gen. Core Processor (Max. 90W)
- Intel® H81 Express chipset
- AMI 32Mb Flash ROM BIOS

### Memory

2\* LONG DIMM DDR3/DDR3L 1600/1333MHz DRAM up to 16GB

### Ethernet

1\* Intel i217LM GbE  
1\* Intel i211AT GbE

### SATA

- 2\* SATAIII (6.0Gb/s)
- 2\* SATAII (3.6Gb/s)

### Internal Connector

- 2\* USB 2.0
- 1\* USB2.0 (Erect)
- 4\* RS232 (COM3/4 support 5/12V TTL)
- 1\* Parallel (Co-lay GPIO)
- 1\* GPIO (16 bit, Co-lay Parallel)
- 1\* SIM Card slot
- 1\* Chassis intrusion
- 1\* Audio Header
- 1\* SMBUS / I2C
- 1\* AT mode
- 1\* TPM2.0 (option)

### Power

ATX PWR, 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 ~ 70°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 \* 220mm)

### Expansion Slot

- 1\* M.2 (M-key, 2242/2280, SATA Interface, CO-lay SATA4)
- 1\* Mini PCIe, full size (USB2.0 interface)
- 4\* SATA4 (Co-lay M.2)
- 1\* PCIe x16 + 1\* PCIe x4 slot or 1\* PCe x6 + 2\* PCIe x1 slot
- 4\* PCI slots

### Graphics

- Intel® HD Graphics, shared memory
- 1\* VGA (Max Resolution: 1920x1200@60Hz)
- 2\* HDMI 1.4 (Max Resolution: 2560x1600@60Hz)
- Support Dual Displays

### Audio

HD audio: Realtek codec (JLA1H-00)

### Rear I/O

- 1\* VGA
- 2\* HDMI
- 2\* RJ45
- 2\* USB3.0
- 4\* USB2.0
- Line-in, Line-out, MIC
- 2\* RS232/422/485 (support 5/12V TTL)
- 1\* PS/2

### Watchdog Timer

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

### Compliance

CE, FCC, RoHS, REACH

### OS Support

Windows 7, 8, 10, Linux

## Accessories

Parts Number	Description	Parts Number	Description
-----	JLA1H-00 Series M/B	G01-SATA3-BL-1F	SATA3 cable 50cm Blue w/LOCK
F04-MB-060-F	I/O shield	G01-COM9X3-30A-2F	COM cable