

LA31-H110 Series

Intel® Sky Lake-S H110 chipset, supports LGA1151 CPU, On board DDR4 up to 16GB

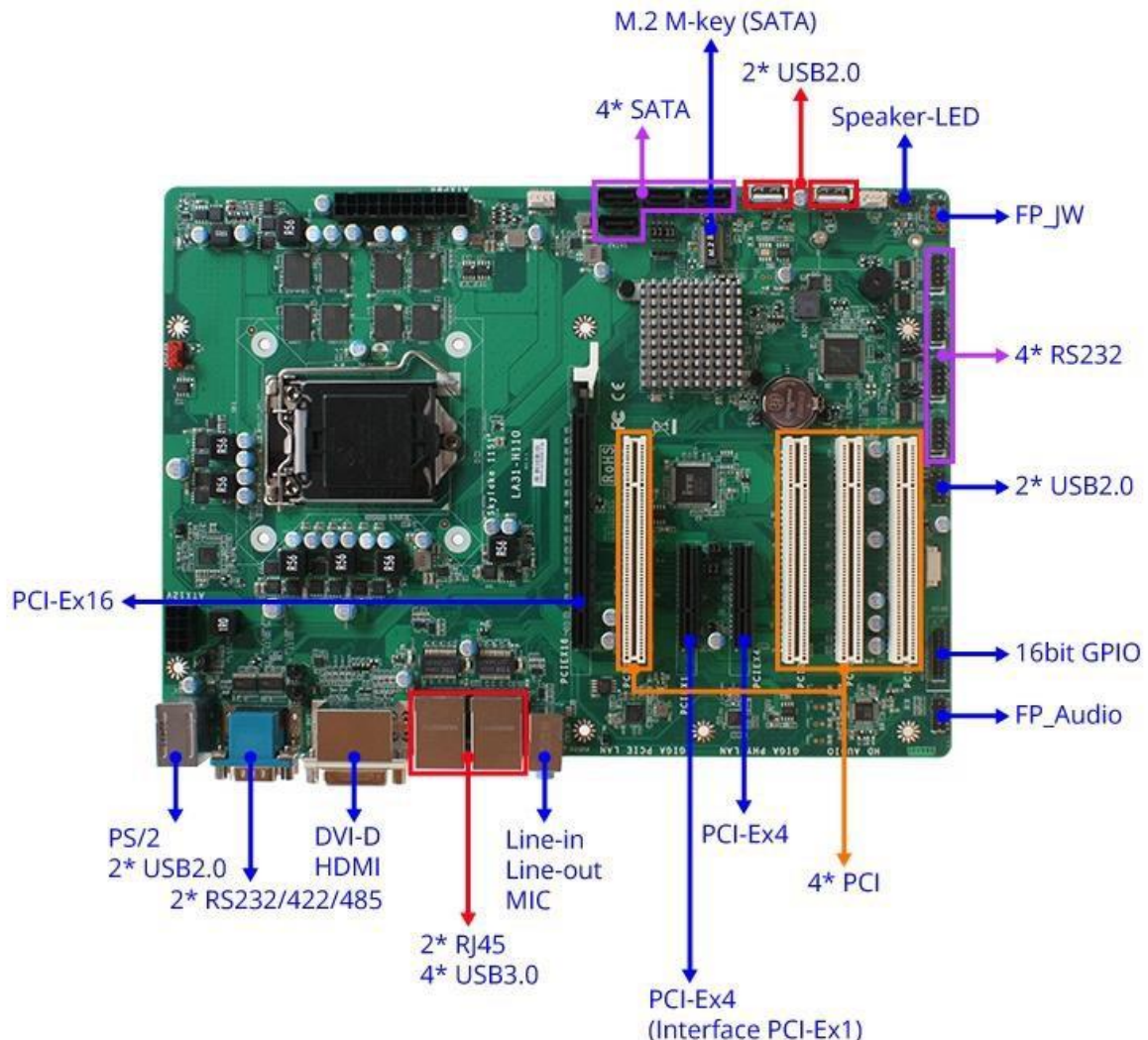
Features

1. Intel® LGA1151 Socket supports 6/7th Gen Core Processor
2. Intel® Sky Lake-S H110
3. On board 8GB DDR4 Dram (Max 16GB)
4. 1* Intel® i225-V 2.5GbE, 1* Intel® i219-LM GbE
5. 1* M.2 M-Key (2242/2280,SATAIII)
6. 4* SATA III (6Gb/s,SATA4 Co-lay M Key)
7. 1* DVI-D, 1* HDMI, Output
8. 2* RS232/422/485, 4* RS232, 4* USB3.0, 6* USB2.0
9. 16bit GPIO
10. Support Onboard TPM2.0 (option)
11. 24 + 4 Pin ATX Power Input
12. ATX Form Factor (305x220mm)



intel. FC CE RoHS COMPLIANT

I/O Diagram



Specifications

Model	<ul style="list-style-type: none"> LA31-H110-8G / LA31-H110-16G LA31-H110-8G2 / LA31-H110-16G2(TPM2.0)
Form Factor	<ul style="list-style-type: none"> ATX (305 * 220mm)
Processor System	<ul style="list-style-type: none"> Intel® LGA1151 Socket supports 6/7th Gen Core Processor Intel® Sky Lake-S H110 Chipset AMI 128M Flash ROM
Memory	<ul style="list-style-type: none"> On board 8GB DDR4 (Max 16GB)
Storage	<ul style="list-style-type: none"> 1* M.2 M-key (2242/2280, SATAIII interface) 4* SATAIII (6.0Gb/s, SATA4 Co-lay M key)
Expansion	<ul style="list-style-type: none"> 1* PCI-Ex16 slot 2* PCI-E x4 slots(PCIE1 Interface :PCI-Ex1) 4* PCI slot
Ethernet	<ul style="list-style-type: none"> 1* Intel® i225-V 2.5GbE 1* Intel® i219-LM GbE
Graphics	<ul style="list-style-type: none"> Intel® HD Graphics, shared Memory 1* DVI-D (Max Resolution : 2560x1600@60Hz) 1* HDMI 1.4 (Max Resolution : 4096x2304@24Hz) Support Dual Displays
Audio	<ul style="list-style-type: none"> HD Audio: REALTEK ALC662-VD/ALC897GR
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 (2*USB2.0 for Type A) 4* RS232 (COM3/4 Support 5V/12V TTL) 4* SATAIII (6.0Gb/s, SATA4 Co-lay M key) 1* M.2 M-key (2242/2280, SATA interface) 1*PCI-Ex16 slot 2* PCI-Ex4 slot (PCIE1: PCI-Ex1 interface, PCIE2 : PCI-Ex4 or PCI-Ex1) 1* GPIO (16 bit,5V) 1* CPU FAN (W/ Smart FAN) 2* System FAN (W/O Smart FAN) 1* Speaker + Power LED 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* USB3.0 2* USB2.0 1* PS/2 1* DVI-D 1* HDMI1.4 2* RJ45 1* 3JACK
Power	24 + 4 Pin ATX Power, AT/ATX Supported - 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 compatible (Option)
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 7/ 10, Windows 11(TPM2.0), 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
F04-MB-060-1F	1* I/O Shield
G01-COM9X2-30A-1F	1* COM Cable
G01-SATA3-BL-1F	1* SATA Cable

Mechanical Drawings (Unit=mm)

