

LA2H-H420E

Intel® Comet Lake-S H420E, supports LGA1200 CPU (Max 125W), DDR4 up to 64GB

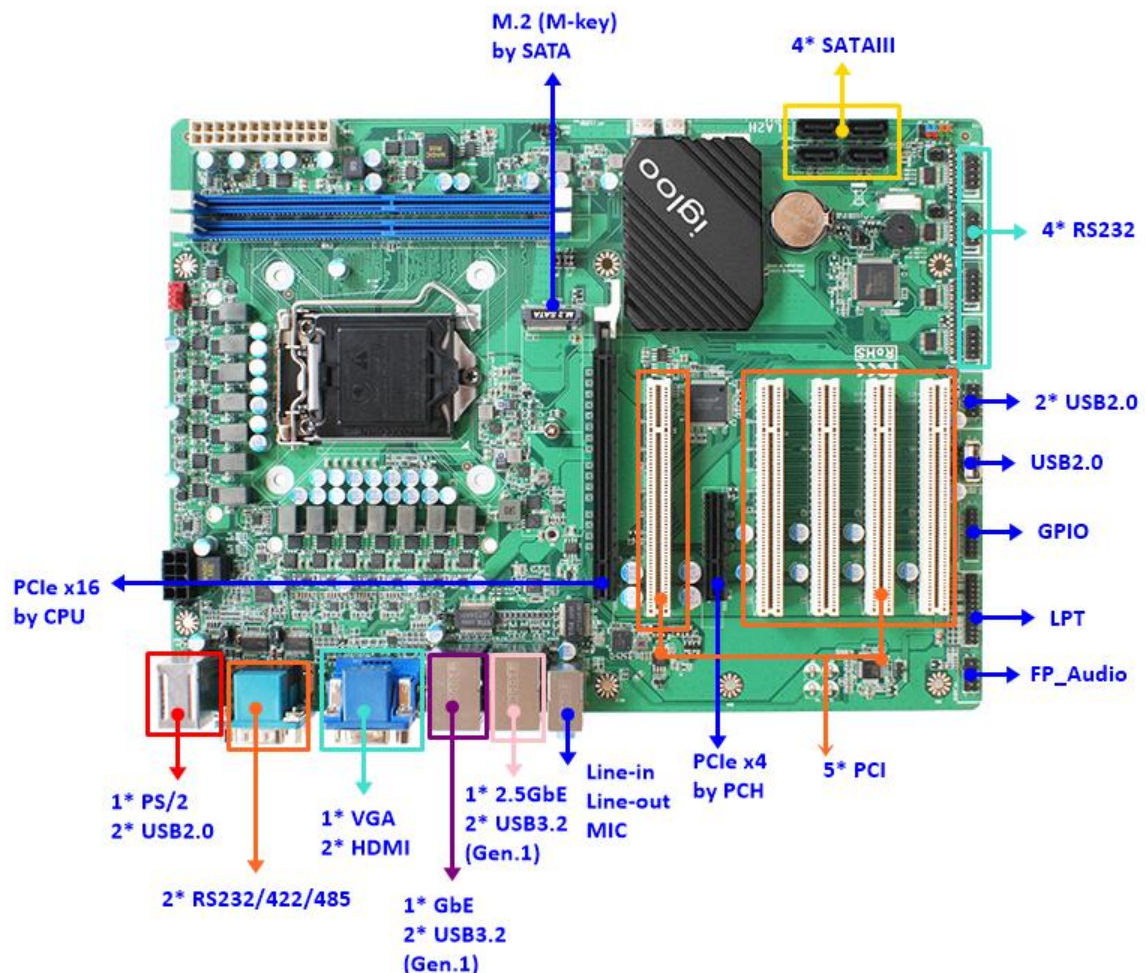
Features

1. Intel® LGA1200 Socket supports 10/11th Gen Core Processor (Max. 125W)
2. Intel® Comet Lake-S H420E chipset
3. 2* DDR4 2933/2666MHz up to 64GB
4. 1* Intel® i225-V 2.5GbE, 1* Intel® i219-LM GbE
5. 4* SATA III (6Gb/s, SATA4 CO-LAY M-key), 1* M.2 M-Key (SATA)
6. 1* VGA, 2* HDMI
7. 2* RS232/422/485, 4* RS232, 4* USB3.2(Gen1), 5* USB2.0
8. 1* PCI-E x16, 1* PCI-E x4, 5* PCI Slots
9. 1* CPU FAN, 2* System FAN
10. TPM2.0 (option)
11. 24 + 8 Pin ATX Power Input
12. ATX Form Factor (305 x 220mm)



intel. FC CE RoHS COMPLIANT

I/O Diagram



Specifications

Model	<ul style="list-style-type: none"> • LA2H-H420E • LA2H-H420E2 (TPM2.0)
Form Factor	<ul style="list-style-type: none"> • ATX (305 * 220mm)
Processor System	<ul style="list-style-type: none"> • Intel® LGA1200 Socket supports 10th/11th Gen Core Processor (Max. 125W) • Intel® H420E chipset • AMI 256M Flash ROM • Support TPM2.0 (option)
Memory	<ul style="list-style-type: none"> • 2* DDR4 LONG DIMM 2933/2666MHz DRAM up to 64GB
Storage	<ul style="list-style-type: none"> • 4* SATAIII (6.0Gb/s , SATA4 Co-lay M-key) • 1* M.2 M-key (2242/2280, SATA interface Co-lay SATA4)
Expansion	<ul style="list-style-type: none"> • 1* PCI-E x16 slot • 1* PCI-E x4 slot • 5* PCI slots
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* VGA (Max Resolution : 1920x1080@60Hz) • 2* 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"> • 2* USB2.0 • 1* USB2.0 (TYPE A) • 4* RS232 (COM3/4 Support 5/12V TTL) • 4* SATAIII (6.0Gb/s) • 1* M.2 (M-key, 2242/2280, SATA interface) • 1* PCI-Ex16 slot (by CPU) • 1* PCI-Ex4 slot • 5* PCI • 1* GPIO (16 bit, 5V, Co-lay LPT) • 1* LPT (Co-lay GPIO) • 1* 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 (Gen1) • 2* USB2.0 • 1* VGA • 2* HDMI 1.4 • 2* RJ45 • Line-in, Line-out, MIC
Power	ATX Power (8 + 24 pin) - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Compliance	CE, FCC, 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	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
	LA2H-H420E Series M/B
F04-MB-060-F	LA2H I/O Shield
G01-COM9X2-30A-1F	1* COM cable
G01-SATA3-BL-1F	2* CABLE for SATA3 50cm Blue w/LOCK

Mechanical Drawings (Unit=mm)

