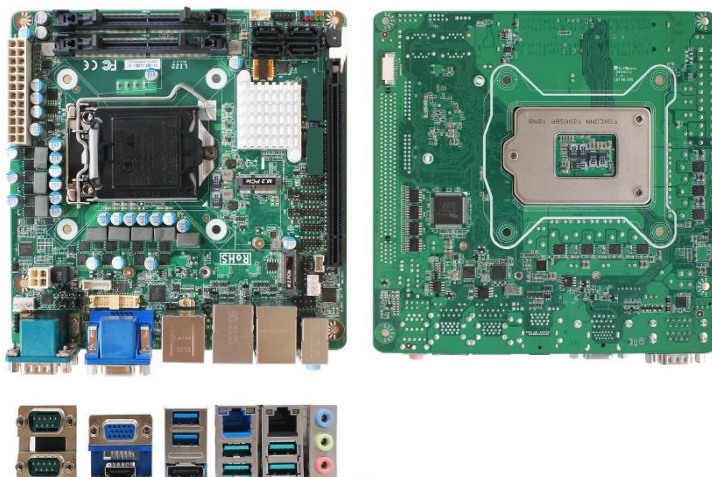


LI22-H420E

Intel® Comet Lake-S H420E chipset, supports LGA1200 CPU (Max 65W), DDR4 up to 64GB

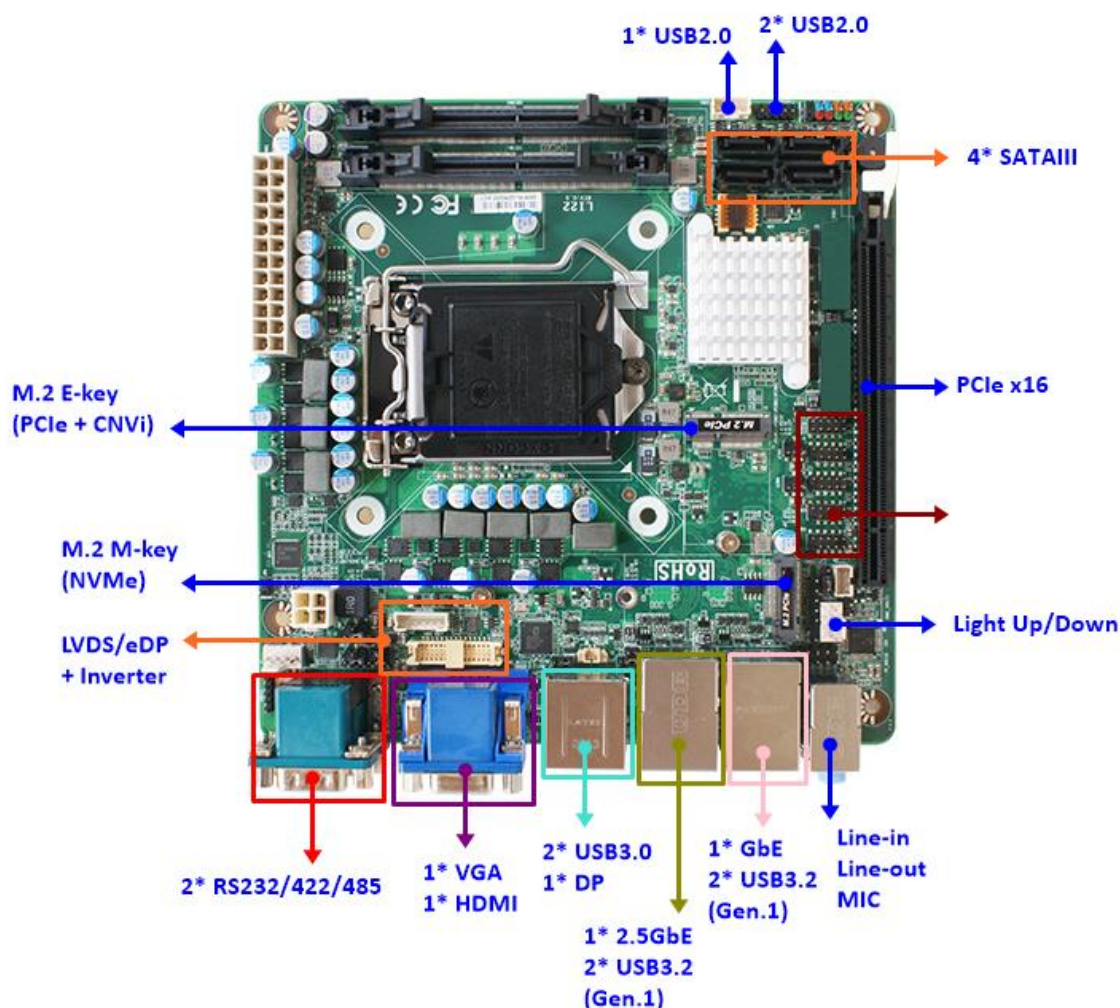
Features

1. Intel® LGA1200 Socket supports 10/11th Gen Core Processor (Max 65W)
2. Intel® Comet Lake-S H420E
3. 2* DDR4 3200/2933MHz up to 64GB
4. 1* Intel® i225-V 2.5GbE, 1* Intel® i219-LM GbE
5. 1* M.2 M-Key (PCI-Ex4), 1* M.2 E-Key (CNVi/PCI-Ex1)
6. 4* SATA III (6Gb/s), 1* PCI-E x16 slot
7. 1* VGA, 1* HDMI, 1* DP, 1* LVDS/eDP Output
8. 2* RS232/422/485, 4* RS232, 4* USB3.2 (Gen1), 2* USB3.0, 3* USB2.0
9. Support Onboard TPM2.0 (LI22-H420E2, option)
10. 24 + 8 Pin ATX Power Input
11. Mini-ITX Form Factor (170x170mm)



intel. FC CE RoHS
COMPLIANT

I/O Diagram



Specifications

Model	• LI22-H420E • LI22-H420E2 (Onboard TPM2.0)
Form Factor	• Mini-ITX (170 * 170mm)
Processor System	• Intel® LGA1200 Socket supports 10/11th Gen Core Processor, Max. 65W • Intel® Comet Lake-S H420E Chipset • AMI 256M Flash ROM
Memory	• 2* DDR4 3200/2933MHz SO-DIMM up to 64GB
Storage	• 1* M.2 M-key (2242/2280, PCI-Ex4 interface, support NVMe SSD) • 4* SATAIII (6.0Gb/s)
Expansion	• 1* M.2 E-key (2230, CNVi/PCI-Ex1/USB2.0, support WIFI/BT) • 1* PCI-E x16 slot
Ethernet	• 1* Intel® i225-V 2.5GbE • 1* Intel® i219-LM GbE
Graphics	• Intel® HD Graphics, shared Memory • 1* VGA (Max Resolution : 1920x1080@60Hz) • 1* HDMI 1.4 (Max Resolution : 4096x2160@30Hz) • 1* DP1.4 (Max Resolution : 5120x3200@60Hz) • 1* LVDS/eDP (Max Resolution : LVDS: 2560x1600@60Hz, eDP: 3840x2160@30Hz) • Support Dual Displays
Audio	• HD audio: Realtek ALC888S
Watchdog Timer	• From Super I/O to drag RESETCON# • 256 segments (10sec ~ 255min)
Internal I/O	• 3* USB2.0 • 4* RS232 (COM3/4 Support 5/12V TTL) • 4* SATAIII (6.0Gb/s) • 1* LVDS/eDP (Choose one from two) • 1* Inverter (PH2.0) • 1* Light Up/Down (PH2.0) • 1* M.2 M-key (2242/2280, PCI-Ex4 interface) • 1* M.2 E-key (2230, CNVi/PCI-Ex1/USB2.0 interface) • 1* PCI-Ex16 slot (by CPU) • 1* GPIO (8 bit, 5V) • 1* CPU FAN (W/ Smart FAN) • 1* PS/2 (PH2.54) • 1* System FAN (W/O Smart FAN) • 1* Chassis intrusion • 1* SMBUS/ I2C • 1* AT mode
External I/O	• 2* RS232/422/485 (Support 5V/12V TTL) • 4* USB3.2 (Gen1) • 2* USB3.0 • 1* VGA • 1* HDMI1.4 • 1* DP1.2 • 2* RJ45 • Line-in, Line-out, MIC
Power	24 + 8 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	• CE, FCC, RoHS, REACH compatible
Temperature	• Operating Temperature: 0 ~ 60° C • Storage Temperature: -20 ~ 70° C • Humidity: 10% ~ 90% RH @40°C (non-condensing)
OS Support	• Windows 10, Windows 11, Linux
Warranty	• 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
	LI22-H420E / LI22-H420E2 M/B
F04-MB-073-1F	I/O shield
G01-COM-H2M22-1F	COM Cable
G01-SATA3-BL-1F	SATA Cable

Mechanical Drawings (Unit=mm)