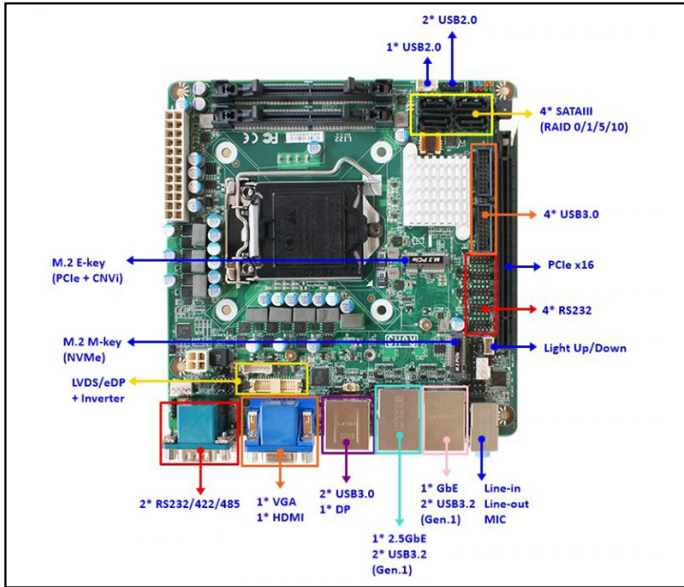


Mini-ITX motherboard with Intel® LGA1200 10/11th Gen Processor and Q470E Chipset, supporting 4 x SATA III with RAID



Features

- Powered by Intel® LGA1200 10/11th Gen Socket Processor (Comet Lake-S, TDP 65W)
- Versatile display options with 1 x 5K DP, 1 x 4K HDMI, 1 x VGA, and 1 x LVDS/4K eDP
- Dual LAN: 1 x Intel® 2.5GbE and 1 x Intel® GbE for reliable networking
- Flexible storage options with 4 x SATA III (RAID 0/1/5/10) and 1 x M.2 M-Key
- Expansion support includes 1 x M.2 E-Key and 1 x PCIe x16 slot
- Comprehensive I/O: 13 x USB ports, 6 x COM ports, and 1 GPIO port
- Onboard TPM 2.0 for enhanced security
- Supports ATX power input

Packing List

PART NUMBER	DESCRIPTION	QTY
LI22-Q470E	LI22-Q470E / LI22-Q470E2 M/B	1
F04-MB-073-1F	I/O Shield	1
G01-COM-H2M22-1F	COM Cable	2
G01-SATA3-BL-1F	SATA Cable	1

Specifications

SYSTEM	
MB FORM FACTOR	Mini-ITX
CPU	Intel® LGA1200 10/11th Gen Socket Processor (Formerly Comet Lake-S, TDP 65W)
CHIPSET	Intel® Q470E
MEMORY	2 x DDR4 3200MHz, Dual Channel SO-DIMM, up to 64GB
BIOS	AMI 256Mb Flash ROM
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (Optional)
DIMENSION (W X D)	170.0 (W) x 170.0 (D) mm (6.7" x 6.7")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux
POWER	
POWER REQUIREMENT	ATX Power Supply
POWER ON MODE	AT / ATX
CONNECTOR	24+4-pin ATX PWR
DISPLAY	
GPU	Intel® HD Graphics
LVDS	1 x LVDS/eDP (Max Resolution : LVDS: 2560 x 1600@60Hz, eDP: 3840 x 2160@30Hz)
DP	1 x DP1.4 (Max Resolution: 5120 x 3200@60Hz)
HDMI	1 x HDMI 1.4 (Max Resolution: 4096 x 2160@30Hz)
VGA	1 x VGA (Max Resolution: 1920 x 1080 @60Hz)
MULTIPLE DISPLAY	Support 3 Displays
AUDIO	
CODEC	Realtek Audio Codec
Line-in	1 x Audio Jack for Line-In
Line-out	1 x Audio Jack for Line-Out
MIC-in	1 x Audio Jack for MIC-In
LAN	
ETHERNET	1 x RJ45 for Intel® I226-V 2.5GbE 1 x RJ45 for Intel® I219-LM GbE
USB PORT	
USB	6 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1) Internal Header for 3 x USB 2.0 Internal Header for 4 x USB 3.2 Gen 1x1 (5Gbps, Formerly USB 3.1 Gen 1)
SERIAL PORT	
COM	2 x DB-9 for RS-232/422/485 with 5V/12V header Internal Header for 2 x RS-232 Internal Header for 2 x RS-232 with 5V/12V header
INTERNAL I/O	
GPIO	8-Bit (5V)
SMBUS	Yes
I2C	Yes
FAN	1 x CPU Fan Header (Smart Fan) 1 x System Fan Header
ADDITIONAL	1 x Inverter (PH2.0) 1 x Light Up/Down (PH2.0) 1 x PS/2 1 x Chassis Intrusion 1 x AT Mode Selection
STORAGE	
SATA	4 x SATA III
RAID	RAID 0, 1, 5, 10
EXPANSION	
M.2	1 x M-Key 2242/2280 (PCIe x4) support NVMe SSD 1 x E-Key 2230 (CNVi/PCIe x1/USB2.0) Support WiFi/BT Module
PCI-E	1 x PCIe x16
ENVIRONMENT & CERTIFICATION	
SHOCK	15G, 11ms duration
VIBRATION	1 Grms/ 5- 500Hz/ Operation
OPERATING TEMPERATURE	0°C ~ 60°C (32°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 70°C (-4°F ~ 158°F)
OPERATING HUMIDITY	10 ~ 90% Relative Humidity, Non-condensing
CERTIFICATION	CE/FCC Class A
ESG DECLARATION	EU RoHS China RoHS REACH

Ordering Information

PART NUMBER	LI22-Q470E	LI22-Q470E2
CPU	Intel® Socket LGA1200 CPU	Intel® Socket LGA1200 CPU
SECURITY		TPM2.0
POWER REQUIREMENT	ATX Power Supply	ATX Power Supply
GPU	Intel® HD Graphics	Intel® HD Graphics
LVDS	1 x LVDS/eDP	1 x LVDS/eDP
DP	1 x DP	1 x DP
HDMI	1 x HDMI	1 x HDMI
VGA	1 x VGA	1 x VGA
ETHERNET	1 x GbE	1 x GbE
ETHERNET	1 x 2.5GbE	1 x 2.5GbE
USB	10 x USB 3.2	10 x USB 3.2
USB	3 x USB 2.0	3 x USB 2.0
COM	4 x RS-232	4 x RS-232
COM	2 x RS-232/422/485	2 x RS-232/422/485
SATA	4 x SATA III	4 x SATA III
M.2	1 x M-Key 2242/2280	1 x M-Key 2242/2280
M.2	1 x E-Key 2230	1 x E-Key 2230
PCI-E	1 x PCI-E x16	1 x PCI-E x16
OPERATING TEMPERATURE	0°C - 60°C (32°F - 140°F)	0°C - 60°C (32°F - 140°F)