



389.00 EUR  
incl. 19% VAT, plus [shipping](#)

- Intel Comet Lake-S Q470E !
- 2x LAN !
- Half Hight !
- Mini ITX !

- Intel® LGA1200 Socket supports 10/11th Gen. Core Processor (Max 65W)
- Intel® Comet Lake-S H420E chipset
- 2\* DDR4 2933/2666MHz up to 64GB
- 1\* Intel®i226-V 2.5GbE, 1\* Intel® i219-LM GbE
- 1\* M.2 M-Key (PCI-Ex4), 1\* M.2 E-Key (CNVi/PCI-Ex1/USB2.0), 1\* M.2 B-Key (PCI-Ex1/USB3.2/USB2.0)
- 1\* SATA III (6Gb/s), 1\* PCI-E x16 slot
- 1\* DP (Co-lay VGA), 2\* HDMI, 1\* LVDS/eDP Output
- 2\* RS232/422/485, 4\* RS232, 4\* USB3.2 (Gen1), 4\* USB2.0
- Support Onboard TPM2.0 (LI21-Q470E2, option)
- 12-28V DC-in
- Thin Mini-ITX Form Factor (170x170mm)

Model	<ul style="list-style-type: none"> <li>- LI21-Q470E</li> <li>- LI21-Q470E2 (Onboard TPM2.0)</li> </ul>	
Form Factor	- Thin Mini-ITX (170 * 170mm)	
Processor System	<ul style="list-style-type: none"> <li>- Intel® LGA1200 Socket supports 10/11th Gen Core Processor, Max. 65W</li> <li>- Intel® Comet Lake-S Q470E Chipset</li> <li>- AMI 256M Flash ROM</li> </ul>	
Memory	- 2* DDR4 3200/2933MHz SO-DIMM up to 64GB	

Storage	<ul style="list-style-type: none"> <li>- 1* M.2 M-key (2280, PCI-Ex4 interface, support NVMe SSD)</li> <li>- 1* SATAIII</li> </ul>
Expansion	<ul style="list-style-type: none"> <li>- 1* M.2 E-key (2230, CNVi/PCI-Ex1/USB2.0, support WIFI/BT)</li> <li>- 1* M.2 B-key (3042/3052, PCI-Ex1/USB3.2/USB2.0, support 3G/4G/5G Module)</li> <li>- 1* PCI-E x16 slot (Maximum power supply 75W)</li> </ul>
Ethernet	<ul style="list-style-type: none"> <li>- 1* Intel® i226-V 2.5GbE</li> <li>- 1* Intel® i219-LM GbE</li> </ul>
Graphics	<ul style="list-style-type: none"> <li>- Intel® HD Graphics, shared Memory</li> <li>- 2* HDMI 1.4 (Max Resolution : 4096x2160@30Hz, HDMI1 Co-lay VGA)</li> <li>- 1* DP1.4 (Max Resolution : 5120x3200@60Hz)</li> <li>- 1* LVDS/eDP (Max Resolution : LVDS: 2560x1600@60Hz)</li> <li>- Support Triple Displays</li> </ul>
Audio	<ul style="list-style-type: none"> <li>- HD audio: Realtek ALC888S</li> </ul>
Watchdog Timer	<ul style="list-style-type: none"> <li>- From Super I/O to drag RESETCON#</li> <li>- 256 segments (10sec ~ 255min)</li> </ul>
Internal I/O	<ul style="list-style-type: none"> <li>- 4* USB2.0</li> <li>- 2* USB3.2(Gen1)</li> <li>- 2* RS232/422/485(COM1/2 Support 5V/12V TTL)</li> <li>- 4* RS232 (COM3/4 Support 5/12V TTL)</li> <li>- 1* SATAIII (6.0Gb/s)</li> <li>- 1* LVDS/eDP (Choose one from two)</li> <li>- 1* Inverter (PH2.0)</li> <li>- 1* M.2 M-key (2280, PCI-Ex4 interface, Support NVMe)</li> <li>- 1* M.2 E-key (2230, CNVi/PCI-Ex1/USB2.0 interface)</li> <li>- 1* M.2 B-key (3042/3052, PCI-Ex1/USB3.2/USB2.0 interface)</li> <li>- 1* PCI-Ex16 slot (by CPU)</li> <li>- 1* GPIO (8 bit,5V)</li> <li>- 1* CPU FAN (W/ Smart FAN)</li> <li>- 2* System FAN (W/O Smart FAN)</li> <li>- 1* 4pin DC Connector</li> <li>- 1* 3pin Speaker (3W Amplifier)</li> <li>- 1* Chassis intrusion</li> <li>- 1* SMBUS/ I2C</li> <li>- 1* AT mode</li> </ul>
External I/O	<ul style="list-style-type: none"> <li>- 4* USB3.2 (Gen1)</li> <li>- 2* HDMI1.4 (HMDI1 Co-lay VGA)</li> <li>- 1* DP1.4</li> <li>- 2* RJ45</li> <li>- 1* Audio Jack (Line-out + MIC)</li> <li>- 1* DC Jack</li> </ul>
Power	<ul style="list-style-type: none"> <li>12-28V DC-in</li> <li>- AT: Directly PWR on as Power input ready</li> <li>- ATX: Press Button to PWR on after Power input ready</li> </ul>
Compliance	<ul style="list-style-type: none"> <li>- CE, FCC, RoHS, REACH compatible</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>- Operating Temperature: 0 ~ 60° C (with 0.7m/s air flow)</li> <li>- Storage Temperature: -20 ~ 70° C</li> <li>- Humidity: 10% ~ 90% RH @40°C (non-condensing)</li> </ul>
OS Support	<ul style="list-style-type: none"> <li>- Windows 10, Windows 11, Linux</li> </ul>