IP65 FRONT Panel PC (Metal-3mm)

19" Industrial Panel (250nits, 1280x1024) with (with 3mm front bezel) / VESA Mount, PCAP Touch, Fanless Design, LI22-Q470E / i7-11700 (16M Cache, up to 4.9GHz, 11th Generation Intel® Core™ i7 Processor) / RAM 16GB / SSD 512GB
100-240VAC Input / Win 11 Pro 64bit

Cutout: 402Wx353Hmm
Front Bezel: 429Wx 382Hmm

IP65

Model: CPM1900-i7-PCAPV2

FEATURES:

- 19" Industrial Panel / 1280x1024 / 250nits
- Panel Mount (with 3mm front bezel) / VESA Mount
- PCAP Touch / Front IP65
- Fanless Design
- All Black Powder Coating
- LI22-Q470E / i7-11700 (16M Cache, up to 4.9GHz, 11th Generation Intel® Core™ i7 Processor) / RAM 16GB / SSD 512GB
- 100-240VAC Input
- Win 11 Pro 64bit

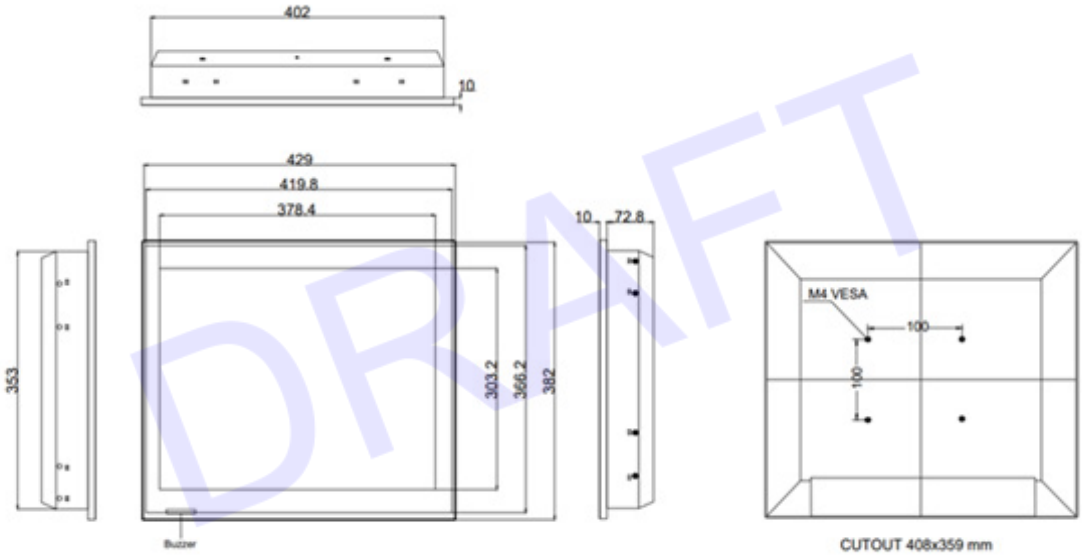
SPECIFICATIONS:

Display	Viewing Size Image	19"
	Active Display Area (mm)	378.4(H) x 303.2 (V)
	Pixel Pitch (mm)	0.294 (H) x 0.294(V)
	Resolution	1280 x 1024
	Contrast Ratio	1000 : 1 (typ.)
	Color	16.7M
	Brightness	250 nits
	Viewing Angle	-85~88(H) ; -80~80 (V)
	Recommended Resolution	1280 x 1024 @ 60Hz, 75 Hz
Power	Source	12VDC with external 100-240VAC Power Adapter
	Consumption	11.15W typical, normal operation
	Management	VESA DPMS Compliant
Options	Touch	Resistive, PCAP
	High Brightness	1000,1500
	Auto Dimming	Yes
	POWER in	DC24V,DC 9V~36V
	Remote Control	Yes

**Specifications subject to change without notice, not responsible for typographical errors.*

MECHANICAL DRAWINGS:

This is subject to change without Notice. Final Drawings will be provided for approval after Order.



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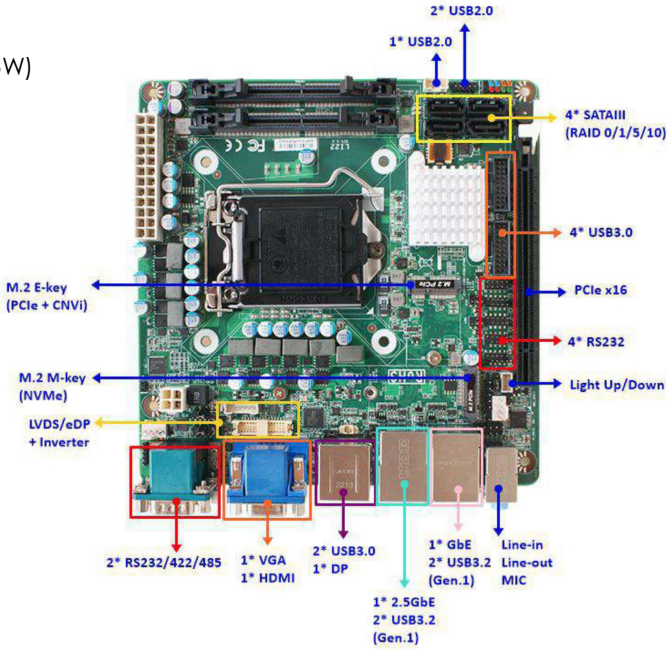
Drawing No.: CPM1900-i7-PCAPV2-01302025-V1

LI22-Q470E - Motherboard

- Intel® LGA1200 Socket supports 10/llth Gen Core Processor (Max 65W)
- Intel® Comet Lake-S Q470E
- 2* DDR4 3200/2933MHz up to 64GB
- 1* Intel® 1225-V 2.5GbE, 1* Intel® 1219-LM GbE
- 1* M.2 M-Key (PCI-Ex4), 1* M.2 E-Key (CNVi/PCI-Exl)
- 4* SATA III (6Gb/s, support RAID 0/1/5/10), I* PCI-E xl6 slot
- 1* VGA, 1* HDMI, 1* DP, 1* LVDS/eDP Output
- 2* RS232/422/485, 4* RS232, 4* USB3.2 (Genl), 6* USB3.0, 3* USB2.0
- Support Onboard TPM2.0 (U22-Q470E2, option)
- 24 + 8 Pin ATX Power Input
- Mini-ITX Form Factor (170x170mm)



Model	•LI22-Q470E
Form Factor	• Mini-ITX (170 * 170mm)
Processor System	• Intel® LGA1200 Socket supports 10/11th Gen Core Processor, Max. 65W • Intel® Comet Lake-S Q470E 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* SATAII I (6.0Gb/s, Support RAID 0/1/5/10)
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 Triple Displays
Audio	• HD audio: Realtek ALC888S
Watchdog Timer	• From Super I/O to drag RESETCON# • 256 segments (10sec ~ 255min)
Internal I/O	• 4* USB3.0 • 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