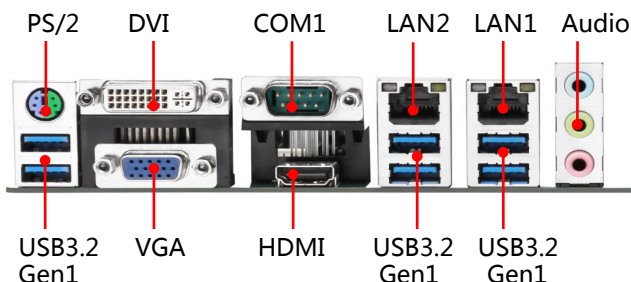
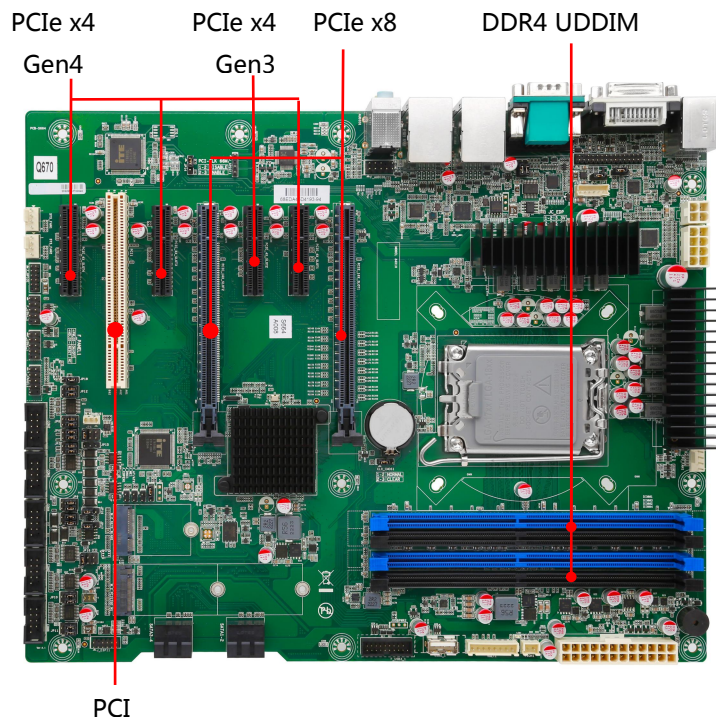


SYM86903VGGA-Q670

Intel Q670 ATX Support 12/13th Intel Core i3/i5/i7/i9/Pentium/Celeron Processor w/VGA/DVI-D/HDMI/2GbE/6COM/13USB/HDA

Specification

Processor	CPU	12/13 th Intel Core i3/i5/i7/i9 (up to 125W)/Pentium/Celeron Processor
	Socket	LGA1700 (Max 125W)
	Chipset	Intel Q670 PCH
	BIOS	AMI UEFI
DRAM	Technology	DDR4-3200MHz
	Capacity	128GB
	Socket	4 x 288-Pin DIMM
Display	Graphics Memory	Share System memory up to 1.7GB SDRAM
	VGA	1, Up to 1920 x 1200@60Hz
	HDMI (1.4)	1, Up to 4096 x 2160@60Hz
	DVI-D	1, Up to 1920 x 1200@60Hz
	eDP	1, Up to 4096 x 2304@60Hz
Mult-Display	3 Independent displays	
LAN	2 x Intel GbE (i225-V + i219-V)	
Audio	Realtek ALC897 w/Line-Out & MIC	
Watchdog	Programmable from 1 to 255 Sec	
Storage	SATA	4 x SATA3.0
	M.2	2242/2280 M-key (PCIe Gen4 x 4 NVMe/SATA)
	RAID	RAID 0/1/5/10
I/O	Serial	6 x RS232 (COM3 w/RS232/422/485) (COM4 w/RS232/485)
	USB	8 x USB3.2 Gen1 +5 x USB2.0
	GPIO	1 x 8bit DIO
	PS/2	1
	TPM	TPM2.0
Expansion Slot	PCIe x8	2 (Ver:4.0) (2 x8 signals , x16 slot)
	PCIe x4	4 (3 x Ver: 4.0 & 1 x Ver: 3.0)
	PCI	1
	M.2	M.2 Key-E Slot (WiFi +Bluetooth Module, 2230)
Power	Type	ATX
Form Factor	305mm x 244mm	
Environment	Operation Temp& Humidity	-10~60°C/10~90% Non-condensing
	Storage Temp & Humidity	-40~80°C/10~90% Non-condensing
Certification	EMC	CE / FCC



Packing List

P/N	Spec.
920312322	2pcs x SATA Cable
920700000	2pcs x USB Cable
921700100	5pcs x COM Cable
/	1pcs x IO Shield

Ordering Information

P/N	158690301
Model	SYM86903VGGA-Q670
Spec.	Intel Q670 ATX Support 12/13 th Intel Core i3/i5/i7/i9/Pentium/Celeron Processor w/VGA/DVI/HDMI/2GbE/6COM/13USB/HDA