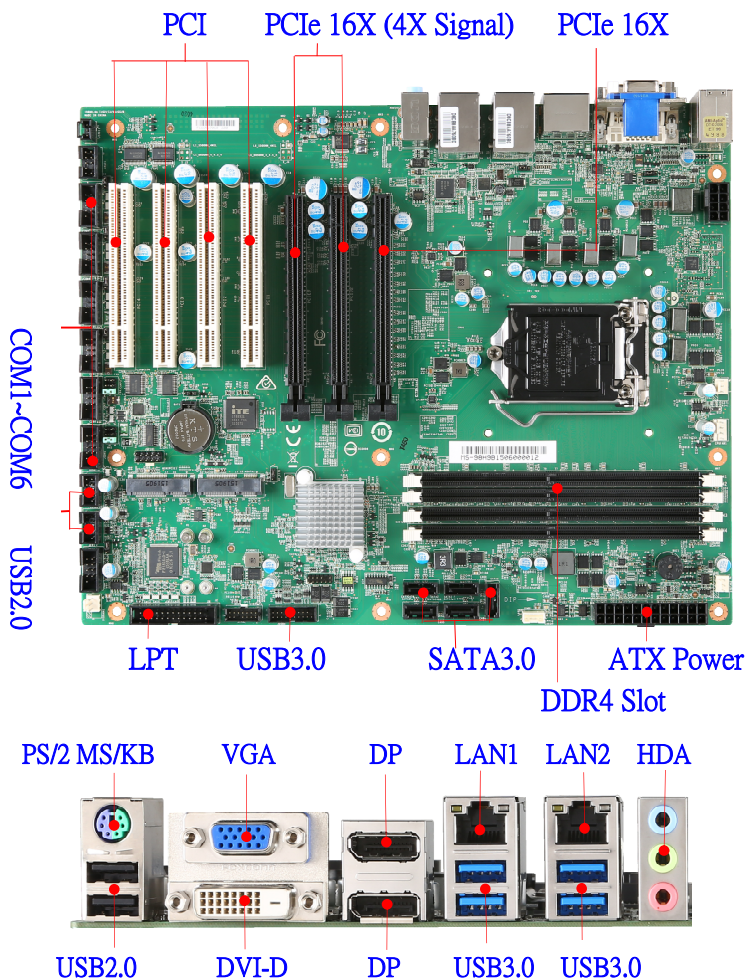


## Specification

Processor	CPU	H110/Q170: 6 <sup>th</sup> Intel Skylake Core i3/i5/i7/Pentium/Celeron Processor C236: 6 <sup>th</sup> Intel Xeon E3-12XX V5, Core i3/Pentium/Celeron Processor
	Socket	LGA1151
	Chipset	Intel H110/Q170/C236 PCH
	BIOS	AMI UEFI
DRAM	Technology	DDR4-2133MHz
	Capacity	H110:32GB, C236/Q170:64GB
	Socket	2 (4) x 288-Pin UDIMMs
Display	Graphics	Intel HD Graphics with DX12 & OpenCL 2.X
	Graphics Memory	Share System memory up to 1.7GB SDRAM
	VGA	1, Up to 1920 x 1080
	DVI-D	1, Up to 1920 x 1200
	DP	2, Up to 4096 x 2304
Multi-Display	2 Independent display (H110) 3 Independent display (Q170/C236)	
LAN	2 x Intel GbE Controller (i210-AT+i219-LM)	
Audio	Realtek ALC887 w/Line-Out & Mic/Line-in	
Watchdog	Software Programmable Support 1~255s System Reset	
Storage	SATA	Q170/C236: 5 x SATA3.0 H110: 4 x SATA3.0
	mSATA	1
	RAID	RAID0/1/5/10 (Q170/C236)
I/O	Serial	6 x COM (COM1~2:RS232/422/485,0V/5V/12V) (COM3~6: RS232, 0V/5V/12V)
	Parallel	1
	USB	Q170/C236: 6 xUSB3.0 + 6 xUSB2.0 H110: 4 xUSB3.0 + 4xUSB2.0
	GPIO	4 x In , 4xOut
	PS/2	Yes
Expansion Slot	PCIe x16	1
	PCIe 4X	2 (Q170/C236) , 1 (H110)
	PCI	4 (Ver: 2.3)
	Mini PCIe	2 (One share with mSATA)
Power	Type	ATX Power
Form Factor	305mm x 244mm (ATX)	
Environment	Operating Temp&Humidity	-10~60°C /10~90%,non-condensing
	Storage Temp&Humidity	-20~80°C /10~90%,non-condensing
	Certification	EMC



## Packing List

P/N	Spec.
920312322	2pcs x SATA Cable
921700100	3pcs x Dual-COM Cable
920700000	1pcs x 2.54mm-patch Dual USB Cable
/	1pcs x I/O Shield
/	1pcs x Utility DVD Drivers

## Ordering Information

Part No.	/
Model	SYM86450VGGA
Spec.	Intel H110/Q170/C236 Industry ATX Board Support Intel Xeon/Core i3/i5/i7/Pentium/Celeron Processor w/VGA/DVI-D/2DP/2GbE/6COM/ 12USB/HDA