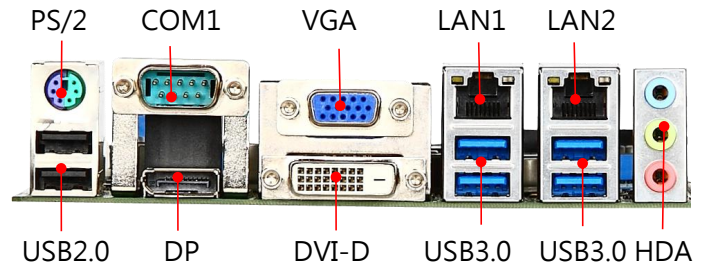
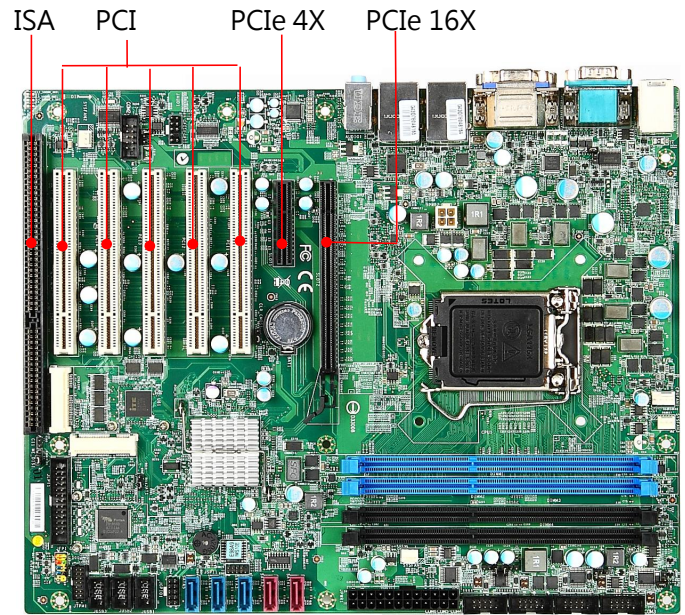


Intel Q77 ATX Support 2nd / 3rd Core i3/i5/i7/Pentium/Celeron
Processor w/VGA/DVI/DP/2GbE/6COM/12USB/HDA/LPT/TPM

Specification

Processor	CPU	2 nd /3 rd Intel Core i3/i5/i7/ Pentium/Celeron Processor	
	Type	LGA1155	
	Chipset	Intel Q77 PCH	
	BIOS	AMI UEFI	
DRAM	Technology	DDR3 1600/1333MHz	
	Capacity	Up to 32GB	
	Socket	4 x 240-Pin DIMM Slot	
Display	Graphics	Intel HD Graphics Support	
	Graphics	Share System memory up to 1.7GB	
	VGA	1, Up to 1920 x 1200@60Hz	
	DVI-D	1, Up to 1920x1200 @60Hz	
	DP	1	
	Mult-Display	2 independent displays by SNB	
LAN	2 x Intel LAN (82579LM + 82583V)		
Audio	Realtek ALC887 with Line-in/MIC/Line-out		
Watchdog	Programmable from 1 to 255 Sec		
Storage	SATA	2 x SATA3.0 + 3 x SATA2.0	
	mSATA	1	
	RAID	RAID 0/1/5/10	
I/O	Serial	6 x RS232 (COM1 & COM2 Support RS232/422/485)	
	LPT	1	
	USB	4 x USB3.0 + 8 x USB2.0	
	GPIO	4-In, 4-Out	
	PS/2	1	
	TPM	1	
	Expansion Slot	PCIe x16	1 (Version by CPU)
		PCIe 4X	2 (Ver: 2.0)
PCI		5 (Ver: 2.3)	
ISA		1 (Optional)	
Mini PCIe		1	
Power	Type	ATX	
Form Factor	305mm x 244mm (ATX)		
Environment	Operation Temp & Humidity	-10~70°C/10~90%, Non-condensing	
	Storage Temp & Humidity	-20~80°C/10~90% Non-condensing	
Certification	EMC	CE / FCC	
O.S	Windows XP/ 7/2008 R2/Linux (Kernel 3.0+)		



Ordering Information

P/N	157699901	157699902
Model	SYM76999VGGA	SYM76999VGGA-ISA
Spec.	Intel Q77 ATX w/VGA/ DVI-D/DP/2GbE/HDA/6 COM/12USB/mSATA/Mi niPCIe/LPT/TPM	Intel Q77 ATX w/VGA/ DVI-D/DP/2GbE/HDA/6COM/ 12USB/mSATA/MiniPCIe/LPT/T PM/ISA Slot

Processor (Optional)

CPU	i7-2600	i7-3770	i7-3770K	i5-3550	i5-2500	i5-2500K	i5-3450	i5-3470	i3-2120	i3-2130	i3-3220	i3-3240	G2120	G1610	G620
Speed	3.4GHz	3.4GHz	3.5GHz	3.3GHz	3.3GHz	3.3GHz	3.1GHz	3.2GHz	3.3GHz	3.4GHz	3.3GHz	3.4GHz	3.1GHz	2.6GHz	2.6GHz
Cache	8M	8M	8M	6M	6M	6M	6M	6M	3M	3M	3M	3M	3M	2M	3M
Core	4C/8T	4C/8T	4C/8T	4C/4T	4C/4T	4C/4T	4C/4T	4C/4T	2C/4T	2C/4T	2C/4T	2C/4T	2C/2T	2C/2T	2C/2T
TPD	95W	77W	77W	77W	95W	95W	77W	77W	65W	65W	55W	55W	55W	55W	65W