



IPC-Q477 Embedded ATX Motherboard		
System	CPU	Core 10-11th gen Core i3,i5,i7 desktop platform
	Chipset	Q470E/Q470
	Socket Type	LGA 1200
	RAM	4*DIMM DDR4/2133/2400 1.2V up to128GB
	BIOS	AMI EFI 256MBIT
	Graphics	Intel® HD Graphics
	OS Support	WIN7/8/10/11, LINUX,UNIX
	Watchdog	256 levels, programmable 0-255 sec/min
Rear I/O	LAN	2*RJ45, Intel219/255 Gigbite LAN
	Display	VGA+HDMI synchronous/asynchronous display
	Audio	5.1 Channel, 1*LINE-OUT, 1*MIC-IN, 1*LINE-IN, support SPK
	COM	2*RS232/RS422/RS485
	USB	4*USB3.1
Internal I/O	Expansion port	1*PCIEX16 ,1*PCIEX8,3*PCIEX4,2*PCI ,1*M.2
	COM	4*RS232 Header
	USB	2*USB3.0 Header,4*USB2.0Header, 2*USB(erect)
	SATA	6*SATA
	GPIO	16 bits digital I/O, 8*In, 8*Out
	TPM	20Pin TPM Header
	CAN	4pin CAN port
	LPC	1*LPC socket
	PS/2	PS/2, 2 in 1
Power	Power Input	24+8Pin ATX power supply
	Input Voltage	+12V +5V +3.3V -12V
Structure	Dimension	305*245MM
Environment	Operating Environment	0°C~60°C, 0~95%RH, non-condensing
	Storage Environment	-40°C~85°C, 0~95%RH, non-condensing
Certificate	Safety Certification	CE,CCC
Parts List		I/O bezel, DB9 COM cable, USB cable