

4to2 matrix communication protocol													
mscomm settings : 9600,n:8:1:DTRenable=true													
PC receive the matrix system data													
byte1	byte2	byte3	byte4	byte5	byte6	byte7	byte8	byte9	byte10	byte11	byte12	byte13	byte14
0x62	mem_a	mem_b	0x1	0x1	src_a	src_b	0x1	0x1	src_status	power_flag	0x1	0x77	checksum
in every data package, the byte1(0x62) is the first receiving byte and the byte14(checksum) is the last receiving byte													
checksum=LowByte(byte2+byte3+...+byte12)													
byte2(mem_a)													
0x1	0x2	0x4	0x8	mem_a is the channel which output_A switched to when power on									
input1	input2	input3	input4										
byte3(mem_b)													
0x1	0x2	0x4	0x8	mem_b is the channel which output_B switched to when power on									
input1	input2	input3	input4										
byte6(src_a)													
0x1	0x2	0x4	0x8	src_a is the channel which output_A is working on currently									
input1	input2	input3	input4										
byte7(src_b)													
0x1	0x2	0x4	0x8	src_b is the channel which output_B is working on currently									
input1	input2	input3	input4										
byte10(src_status)				bit4=1, input4 is available ; bit4=0, input4 is unavailable									
bit4	bit5	bit6	bit7	...									
input4	input3	input2	input1	bit7=1, input1 is available ; bit7=0, input7 is unavailable									
byte11(power_flag)													
0x0	0x1			power_flag=0 system is standby									
stb	on			power_flag=1 system is working									
PC send controls to matrix													
byte1	byte2	byte3	byte4	the byte1(order) is the first sending byte and the byte4(0x7b) is the last sending byte ,									
order	~order	0xd5	0x7b										
order	comments												
0x10	if power on then power off, if power off then power on												
0x28	store current input channel to memory channel												
0x0	output_A switch to input 1												
0x1	output_A switch to input 2												
0x2	output_A switch to input 3												
0x3	output_A switch to input 4												
0x4	output_B switch to input 1												
0x5	output_B switch to input 2												
0x6	output_B switch to input 3												
0x7	output_B switch to input 4												