

MEMORY MAPPING														
Address	addr[11]	addr[10:8]			addr[ 7 : 2]						addr[1:0]			
...	x	x	x	x	x	x	x	x	x	x	x	x	Reserved	
0x9FF	1	0	0	1	1	1	1	1	1	1	1	1	In Peripheral	
...	1	0	0	1	x	x	x	x	x	x	x	x		
0x900	1	0	0	1	0	0	0	0	0	0	0	0		
0x8FF	1	0	0	0	1	1	1	1	1	1	1	1	Out Peripheral	
...	1	0	0	0	x	x	x	x	x	x	x	x		
0x800	1	0	0	0	0	0	0	0	0	0	0	0		
0x7FF	0	1	1	1	1	1	1	1	1	1	1	1	D_MEM	
...	0	x	x		x	x	x	x	x	x	x	x		
0x000	0	0	0	0	0	0	0	0	0	0	0	0		
	sel_in	X		sel_out	6-bit addrs for array IP_mem and OP_mem						2-bit byte-address			
	sel_out	9-bit addrs for array D_mem												
0x	8				0					0				