

RC-ONE Memory Map

8K SECTION			1K SECTION			DETAILS			Comparison			BLOCK SIZE		
	START	END		START	END		START	END	KIM-1	RC-ONE	RC-ONE 65K			
8K7	\$E000	\$FFF		\$FC00	\$FFFF	6530-002			(mirror)	(mirror)	28C64 EEPROM	1 024		
				\$F800	\$F9FF	6530-003						1 024		
				\$F400	\$F7FF							1 024		
				\$F000	\$F3FF							1 024		
				\$EC00	\$EFFF							1 024		
				\$E800	\$EBFF							1 024		
				\$E400	\$E7FF							1 024		
				\$E000	\$E3FF							1 024		
8K6	\$C000	\$DFFF									8 192			
8K5	\$A000	\$BFFF								(free)	8 192			
8K4	\$8000	\$9FFF									8 192			
8K3	\$6000	\$7FFF									8 192			
8K2	\$4000	\$5FFF								62256 Static RAM (optional)	8 192			
8K1	\$2000	\$3FFF									8 192			
	\$0000	\$1FF	K7	\$1C00	\$1FFF	6530-002			6530-002 ROM	28C64 EEPROM	28C64 EEPROM (mirror)	1 024		
			K6	\$1800	\$1BFF	6530-003			6530-003 ROM			1 024		
					I/O2	\$17C0	\$17FF	6530-002 RAM	6532-002 RAM	6532-002 RAM	64			
						\$1780	\$17BF	6530-003 RAM			64			
					I/O3	\$1740	\$177F	6530-002 Register	6532-002 Register	6532-002 Register	64			
						\$1700	\$173F	6530-003 Register	(free)	6532-003 Register	64			
K5			\$1400	\$17FF	(free)	\$1600	\$16FF	(free)	(free)	(free)	256			
						\$1500	\$15FF				256			
						\$1400	\$14FF							256
						K4	\$1000	\$13FF			(free)	(free)	62256 Static RAM (optional)	1 024
K3			\$0C00	\$0FFF			1 024							
K2			\$0800	\$0BFF			1 024							
K1			\$0400	\$07FF			1 024							
K0			\$0000	\$03FF	(free)	\$0200	\$03FF	1K RAM	62256 Static RAM		1 024			
					(stack)	\$0100	\$01FF							
					(reserved)	\$00EF	\$00FF							
					(page 0)	\$0000	\$00EE							
										62256 Static RAM				
												65 536		

RC-ONE Expansions

EXPANSIONS	4K SECTION				0.5K SECTION		DETAILS			BLOCK SIZE
			START	END	START	END		START	END	
(system)	4K0									4 096
ExRAM	4K2		\$2000	\$2FFF				\$2000	\$3FFF	4 096
	4K4		\$4000	\$4FFF						4 096
	4K6		\$6000	\$6FFF						4 096
	4K8		\$8000	\$8FFF						4 096
	4KA		\$A000	\$AFFF						4 096
	4KC	(A12=LO)	\$C000	\$CFFF	\$C000	\$C1FF				512
					\$C200	\$C3FF				512
					\$C400	\$C5FF				512
					\$C600	\$C7FF				512
					\$C800	\$C9FF				512
					\$CA00	\$CBFF				512
					\$CC00	\$CDFF				512
Compact Flash					\$CE00	\$CFFF				512
(system)	4KE									4 096
(system)	4K1									4 096
ExRAM	4K3		\$3000	\$3FFF				\$2000	\$3FFF	4 096
	4K5		\$5000	\$5FFF						4 096
	4K7		\$7000	\$7FFF						4 096
	4K9		\$9000	\$9FFF						4 096
	4KB		\$B000	\$BFFF						4 096
Project Platform (PP 6502)	4KD	(A12=HI)	\$D000	\$DFFF	\$D000	\$D1FF	6522	\$D000	\$D00F	512
Real Time Clock					\$D200	\$D3FF				512
Sound Interface					\$D400	\$D5FF	SID #1	\$D400	\$D41C	512
ACIA					\$D600	\$D7FF		\$D600	\$D603	512
					\$D800	\$D9FF				512
					\$DA00	\$DBFF				512
					\$DC00	\$DDFF				512
Sound Interface					\$DE00	\$DFFF	SID #2	\$DE00	\$DE1C	512
(system)	4KF									4 096
										65 536

Most expansions can be moved between 4K or 8K base addresses, default address specified in order to keep things organized. Multiple cards of the same type can be used within the same system by placing them on separate base addresses (as long as they don't use dedicated backplane pins).