

## C Expansion Memory Locations

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This appendix is a table listing the possible memory configurations for the UNIX PC.

The columns of the table are labeled as follows:

- o Total System Memory - This is the total amount of Random Access memory (RAM) on the machine including on-board (CPU) memory and expansion memory.
- o CPU On-Board Memory - This is the amount of RAM on the UNIX PC main sytem board.
- o Expansion Memory Slot 1 - This is the first UNIX PC expansion slot. Facing the rear of the machine, it is located on the left side as shown in Figure 1.
- o Expansion Memory Slot 2 - This is the second UNIX PC expansion slot. Facing the rear of the machine, it is the middle slot as shown in Figure 1.
- o Expansion Memory Slot 3 - This is the third UNIX PC expansion slot. Facing the rear of the machine, it is located on the right as shown in Figure 1.

## Expansion Memory Locations

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The table also uses the following mnemonics:

<u>MNEMONIC</u>	<u>MEANING</u>
*	Empty slot or I/O card without memory
0.5 CPU	UNIX PC equipped with 0.5MB of on-board RAM
1.0 CPU	UNIX PC equipped with 1.0MB of on-board RAM
2.0 CPU	UNIX PC equipped with 2.0MB of on-board RAM
0.5 RAM	0.5MB RAM Expansion Board
2.0 RAM	2.0MB RAM Expansion Board
0.5 EIA	EIA/RAM Combo Board with 0.5MB of RAM
1.0 EIA	EIA/RAM Combo Board with 1.0MB of RAM
1.5 EIA	EIA/RAM Combo Board with 1.5MB of RAM

### How to Use this Table

The table is organized according to the total amount of memory the system will have after installing additional memory cards. The following examples illustrate how to use the table.

1. You have a UNIX PC with 0.5MB of on-board memory and you want to install a 0.5MB memory expansion board, bringing the total memory to 1.0MB. First look in the Total System Memory column for 1.0MB. Then, locate the corresponding amount of on-board memory in the next column, in this case 0.5MB. Next, look at the last three columns. You'll see that you can put your 0.5MB RAM board in expansion slot 1, 2, or 3.
2. If you want to install a second 0.5MB RAM expansion board, bringing your systems total memory to 1.5MB, you would look in the Total System Memory column for 1.5MB. Then, you would look for the same amount of on-board memory, or 0.5MB. Next, you would look at the last three columns to see where you can place the additional expansion card. In this case, the two 0.5MB RAM cards have to be placed in either expansion slots 1 and 2, or in slots 2 and 3. You cannot place them slots 1 and 3.

## Expansion Memory Locations

Expansion Memory Locations				
TOTAL SYSTEM MEMORY	CPU ON-BOARD MEMORY	EXPANSION MEMORY		
		SLOT 1	SLOT 2	SLOT 3
0.5 MB	0.5 CPU	*	*	*
1.0 MB	0.5 CPU	0.5 RAM * *	* 0.5 RAM *	* * 0.5 RAM
		0.5 EIA * *	* 0.5 EIA *	* * 0.5 EIA
	1.0 CPU	*	*	*
1.5 MB	0.5 CPU	0.5 RAM *	0.5 RAM 0.5 RAM	* 0.5 RAM
		0.5 EIA *	0.5 RAM 0.5 RAM	* 0.5 EIA
		1.0 EIA * *	* 1.0 EIA *	* * 1.0 EIA
	1.0 CPU	0.5 RAM * *	* 0.5 RAM *	* * 0.5 RAM
		0.5 EIA * *	* 0.5 EIA *	* * 0.5 EIA

Expansion Memory Locations

Expansion Memory Locations (Continued)				
TOTAL SYSTEM MEMORY	CPU ON-BOARD MEMORY	EXPANSION MEMORY		
		SLOT 1	SLOT 2	SLOT 3
2.0 MB	0.5 CPU	0.5 RAM	0.5 RAM	0.5 RAM
		0.5 RAM	0.5 RAM	0.5 EIA
		1.0 EIA *	* 1.0 EIA	0.5 RAM 0.5 RAM
		0.5 EIA 0.5 EIA 1.0 EIA * 1.0 EIA *	1.0 EIA * 0.5 EIA 0.5 EIA * 1.0 EIA	* 1.0 EIA * 1.0 EIA 0.5 EIA 0.5 EIA
		1.5 EIA * *	* 1.5 EIA *	* * 1.5 EIA
	1.0 CPU	0.5 RAM *	0.5 RAM 0.5 RAM	* 0.5 RAM
		0.5 EIA *	0.5 RAM 0.5 RAM	* 0.5 EIA
		1.0 EIA * *	* 1.0 EIA *	* * 1.0 EIA
	2.0 CPU	*	*	*

Expansion Memory Locations

Expansion Memory Locations (Continued)				
TOTAL SYSTEM MEMORY	CPU ON-BOARD MEMORY	EXPANSION MEMORY		
		SLOT 1	SLOT 2	SLOT 3
2.5 MB	0.5 CPU	2.0 RAM * *	* 2.0 RAM *	* * 2.0 RAM
	1.0 CPU	0.5 RAM	0.5 RAM	0.5 RAM
		0.5 RAM	0.5 RAM	0.5 EIA
		1.0 EIA *	* 1.0 EIA	0.5 RAM 0.5 RAM
		0.5 EIA 0.5 EIA 1.0 EIA *	1.0 EIA * 0.5 EIA 0.5 EIA	* 1.0 EIA *
		1.0 EIA *	* 1.0 EIA	1.0 EIA 0.5 EIA
		1.5 EIA * *	* 1.5 EIA *	* * 1.5 EIA
		0.5 RAM * *	* 0.5 RAM *	* * 0.5 RAM
		0.5 EIA * *	* 0.5 EIA *	* * 0.5 EIA
		2.0 CPU	0.5 RAM * *	* 0.5 RAM *
0.5 EIA * *	* 0.5 EIA *		* * 0.5 EIA	

# Expansion Memory Locations

Expansion Memory Locations (Continued)				
TOTAL SYSTEM MEMORY	CPU ON-BOARD MEMORY	EXPANSION MEMORY		
		SLOT 1	SLOT 2	SLOT 3
3.0 MB	1.0 CPU	2.0 RAM * *	* 2.0 RAM *	* * 2.0 RAM
	2.0 CPU	0.5 RAM * 0.5 RAM	0.5 RAM 0.5 RAM *	* 0.5 RAM 0.5 RAM
		0.5 RAM 0.5 RAM 0.5 EIA * *	0.5 EIA * 0.5 RAM 0.5 RAM *	* 0.5 EIA * 0.5 EIA *
		1.0 EIA * *	* 1.0 EIA *	* * 1.0 EIA
3.5 MB	2.0 CPU	0.5 RAM	0.5 RAM	0.5 RAM
		0.5 RAM	0.5 RAM	0.5 EIA
		1.0 EIA *	* 1.0 EIA	0.5 RAM 0.5 RAM
		0.5 EIA 0.5 EIA 1.0 EIA * 1.0 EIA *	1.0 EIA * 0.5 EIA 0.5 EIA * 1.0 EIA	* 1.0 EIA * 1.0 EIA 0.5 EIA 0.5 EIA

## Expansion Memory Locations

Expansion Memory Locations (Continued)				
TOTAL SYSTEM MEMORY	CPU ON-BOARD MEMORY	EXPANSION MEMORY		
		SLOT 1	SLOT 2	SLOT 3
3.5 MB (cont'd)	2.0 CPU (cont'd)	1.5 EIA * *	* 1.5 EIA *	* * 1.5 EIA
4.0 MB	2.0 CPU	2.0 RAM * *	* 2.0 RAM *	* * 2.0 RAM