Memory Cards for High End CPUs

Standard Memory Cards for PLCs

Standard memory cards for PLCs are classified in two groups:
- saved RAM memory extension cards
- Flash Eprom memory extension cards

Saved RAM Memory Extension Cards

Saved RAM memory extension cards are typically used when generating and debugging an application program. The memory is saved by a removable battery integrated in the memory card.

Flash Eprom Memory Extension Cards

Flash Eprom memory extension cards are typically used after the process of debugging the application program is completed. Such cards allow only the global transfer of the application; their main purpose is to avoid risks often associated with battery back-ups.

References for Standard Memory Extension Cards

The following table indicates the compatibility of the cards with the various processors:

Product Reference	Type/Capacity	
	Application	File
TSX MFP P 512 K	Flash Eprom 512 kb	0
TSX MFP P 001M	Flash Eprom 1024 kb	0
TSX MFP P 002M	Flash Eprom 2048 kb	0
TSX MFP P 004M	Flash Eprom 4096 kb	0

Application + Files Type Memory Extension Cards

In addition to the conventional application storage area (program + constants), these memory cards also maintain a file area used by the program to archive and/or restore data.

Here are two sample applications:
- automatic storage of application data and remote consultation via modem
- storage of manufacturing formulas.

There are two types of memory cards:
- Saved RAM memory extension cards: application + files. The memory is saved by a removable battery built into the memory card.
- Flash Eprom memory extension cards: application + files. In this instance, the data storage area is maintained in saved RAM, which implies that this type of card must be equipped with a back-up battery.

Card Reference Numbers

The following table provides the card reference numbers for the applications + file-type memory extension card, and the compatibility of these cards with the processors:

Product reference	Technology	Capacity	
		Application area	File area (RAM type)
TSX MRP C 768 K (1)	RAM	768 kb	

Product reference	Technology	Capacity	
		192 to 768 kb	0 to 576 kb
TSX MRP C 001M (1)	RAM	1024 kb	
		192 to 1024 kb	0 to 832 kb
TSX MRP C 001M7 (1)	RAM	1792 kb	
		192 to 1792 kb	0 to 1600 kb
TSX MRP C 002M (1)	RAM	2048 kb	
		192 to 2048 kb	0 to 1856 kb
TSX MRP C 003M (1)	RAM	3072 kb	
		192 to 3072 kb	0 to 2880 kb
TSX MRP C 007M (1)	RAM	7168 kb	
		192 to 7168 kb	0 to 6976 kb
TSX MCP C 512 K	Flash Eprom	512 kb	512 kb
TSX MCP C 001M	Flash Eprom	1024 kb	512 kb
TSX MCP C 002M	Flash Eprom	2048 kb	1024 kb
TSX MCP C 004M	Flash Eprom	4096 kb	2048 kb
(1) PCMCIA having their applications memory areas and floating capacity and unfrozen files			

File-type Memory Extension Cards without Application

These memory cards contain data. There is no application field (program + constants). These memory extension file storage cards are of the *saved RAM* type. The memory is saved by a removable battery built into the memory card.

Card Reference Numbers

The following table provides reference numbers for memory extension file-type storage cards (without application), and indicates the compatibility of these cards with the various processors:

Product reference	Technology	Capacity	
		Application area	File area (RAM type)
TSX MRP F 004M	RAM	4096 kb	
		0	4096 kb
TSX MRP F 008M	RAM	8192 kb	
		0	8192 kb