

This enables application programs to access memory beyond the traditional 640KB memory boundary on 80386-based computers. It emulates expanded memory as defined in the Lotus/Intel/Microsoft (LIM) expanded memory specification. With `temmlx.sys`, software can access RAM between the 640KB and 1MB addresses (shadow RAM), as well as memory above 1MB.

NOTE: You might find a similar program, `temm.sys`, on your Tandy MS-DOS system diskettes. This program is not written for your computer and should not be used.

The standard Tandy 4020 LX is equipped with 1MB (1024KB) of RAM on the first memory board. Of the RAM, the operating system and applications use 640KB. The system also reserves an additional 64KB for the system BIOS and 32KB for the video BIOS. This leaves 288KB of memory available to specially written software such as `temmlx.sys`.

#### Installing TEMMLX:

To install `temmlx.sys`, add a `DEVICE` command to your `config.sys` file. The format for the `DEVICE` command is: `device=temmlx.sys[/s][xxxx][ly][Mz]`

SWITCH	FUNCTION			
/s	Enables the software to access shadow RAM.			
xxxx	Represents the actual size of expanded memory (in kilobytes) to be emulated. Use a value in the range 304 to 8192 (if you are not using /s). The system truncates the value you specify to be divisible by 16. The default value is 304 (with /s or 1024 (without /s).			
y(ly)	Represents the number of the I/O port addresses emulated by <code>temmlx.sys</code> . If you have one or more hardware boards in your system that also use the port addresses by <code>temmlx.sys</code> , use the following chart to select port addresses that do not conflict with these boards. The default value for y is 5.			
y VALUE	PORT ADDRESSES USED (HEX)			
0	208	4208	8208	C208
1	218	4218	8218	C218
5	258	4258	8258	C258
6	268	8268	8268	C268
10	2A8	42A8	82A8	C2A8
11	2B8	42B8	82B8	C2B8
14	2E8	42E8	82E8	C2E8
z(Mz)	Represents the frame base address for <code>temmlx.sys</code> to use for			

	LIM page mapping. The default is 3.
z VALUE	FRAME ADDRESS (HEX)
0	C400-D400
1	C800-D800
2	CC00-CD00
3	D000-E000
4	D400-E400
5	D800-E800
6	DC00-EC00
7	E000-F000

Notes:

- \* Do not use `temmlx.sys` with any other software that uses the advanced features of the 80386 processor.
- \* If you want to use expanded memory with other device drivers, the `temmlx.sys` `DEVICE` command must appear before the other driver's `DEVICE` commands in your `config.sys` file. See your operating system documentation for information on `config.sys` and the `DEVICE` command.
- \* Do not use any frame addresses that overlap addresses used by the hardware.