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"small" TₑX

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Send submissions to:
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The July meeting at Stanford was informative and enjoyable. Several new small TₑX versions were announced, with several more in progress.

Below is a grid summarizing the known implementations of TₑX on small machines. The term "small" is as vague in the TₑX world as it is in the rest of the industry. A loose definition of a small processor is one which either has a 16-bit word size, or one which will rest on a tabletop.

The data given under "processor time per page" is a rough approximation, usually given by the implementer. Since there is no "standard" page to compile to give a rated time, these times should not be used to predict anything important.

Under company and contact, these are the names of the implementer and not the manufacturer of the hardware. For a phone number or address, consult the most recent TUG membership list.

A brief note about the TYX products. They have used the smallest machines to date (IBM PC), and offer these implementations as fully-supported products. The version of TₑX available (TYXTₑX) is a rewrite in C of the SAIL version, and is closest to TₑX80. TYX plans to update their version to TₑX82 in the next year or so.

As the editor for small TₑX, I receive several phone calls each month inquiring about microcomputer implementations of TₑX. The most common request is from IBM PC users, and it would be useful to have a TₑX82-WEB implementation to offer. All of you who would like to see this happen, and who would be willing to commit funding to such a project, contact me at the above address.

It is nice to see the variety of implementations, either completed or in progress. If you are currently using TₑX on a small system, or are planning to, and the hardware does not appear in the grid below, be sure to contact me and supply information.

"small" TₑX implementations				
Manufacturer	Processor	TₑX version	Processor time per page	Company and contact
Hewlett-Packard 3000	16-bit	TₑX82	10–30	TₑXeT, Lance Carnes
Hewlett-Packard 1000	16-bit	TₑX82	10–30	JDJ Wordware, John Johnson
DEC PDP-11/44	16-bit			
Plexus, Onyx	Z8000	TₑX80	10–20	TYX, Dick Gauthier
IBM PC	8086/8			
Apollo	M68000	TₑX82	2–10	OCLC, Tom Hickey
Hewlett-Packard 9836	M68000	TₑX82	6–10	HP Boise Div., Jim Crumley
Sun	M68000	TₑX82 [1]		Textset, Jim Sterken
Corvus	M68000	TₑX82 [2]		
Cyb	M68000	TₑX82 [1]		Texas A&M, Norman Naugle
Apple Lisa	M68000	TₑX82 [2]		
Masscomp	M68000	TₑX82 [1]		
Sage	M68000	TₑX82 [2]		

[1] in progress or recently completed
[2] hopeful