

## smxProbe

- View smx Call, Task, and Error Trace Buffers
- Set Complex Triggers
- View Queues and Control Blocks
- Symbolic Information
- Direct smx Call Execution
- Operates Alone or with Code Debuggers
- Local or Remote Operation
- Real Mode and Protected Mode Support
- No Royalties
- Source Code Included

smxProbe is a task-level debugger for high-level debugging of systems based upon smx. Like smx, smxProbe is designed specifically to enhance Intel 80x86 development. Unlike code debuggers which allow stepping through or breaking upon instructions and looking at variables, smxProbe allows triggering or breaking upon task operations and looking at control blocks, queues, and trace buffers. Besides being an invaluable debugging tool, smxProbe will show the user the high-level workings of his code and will strengthen his understanding of multitasking.

We purposely kept smxProbe simple. Its functionality is limited to only the most useful debugging commands. This way, the user is freed from having to learn yet another complicated development tool.

The primary features of smxProbe are as follows: smxProbe maintains three trace buffers: error buffer, task trace buffer, and smx call trace buffer. These are allocated from the far heap. Each may be up to 64 Kbytes in size. Trace buffers can be viewed with the showb () command. In addition, smxProbe permits examining smx control blocks and queues. All information is presented symbolically and is nicely formatted. smxProbe allows setting triggerpoints and breakpoints. It also permits freezing tasks below a specified level. In addition to the smxProbe commands, all smx calls (e.g. start(atask)) may be executed from the smxProbe command line. All functions can be performed while the application is running or stopped.

smxProbe operates standalone or with a code debugger. It also can be operated locally or remotely via a serial link.

HOST SYSTEMS SUPPORTED:  
All DOS\* and MS Windows\* systems

PROCESSORS SUPPORTED:  
80186, 80188,  
Intel386™ CX/EX/SX/SXSA/DX,  
Intel486™ SX, IntelDX2™, IntelDX4™,  
and Pentium® processors

AVAILABILITY:  
Now

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