



## In-Circuit **DProbe251** Emulator

Intel 8xC251Sx/Tx, 8xC151  
Temic 8X251G1/G2

Hitex offers a powerful and easy-to-use debug tool, specifically designed for software-oriented applications. The Hitex DProbe251 includes all debugger features and functionality for software and systems integration at an affordable price.

### Efficient Debugging

Operation is greatly enhanced through our easy-to-use HiTOP for Windows® debug interface, which contains all the advantages software engineers expect from a powerful development tool. It provides complete HLL debugging and rapid access to all in-circuit emulator resources.

### Wide Range of Performance

The extensive number of features the DProbe251 offers, guarantees fast bug finding processes and enhanced software quality. The DProbe251 is an invaluable tool for the software development of real-time applications. In addition time-to-market is significantly decreased.

### HiLights

- Support of maximum speed and all operating voltages
- Non-intrusive
- Dual-port overlay memory with zero wait state access
- Plug and play: no jumpers, no switches
- Support for all popular compilers
- PlugOn trace with 32 k frames

## Technical Data DProbe251

Supported controllers:	Intel 8xC2515x / Tx, 8xC151; Temic 8x251G1/G2 (dedicated probes)
Operation voltage:	Dprobe251 supports 2.7 up to 5.5 Volts operating voltages
Real-time emulation:	With zero wait states up to the microcontroller's maximum clock frequency (24 MHz)
Support:	Full support of all MC-specific peripherals
Memory:	256 K dual-port overlay memory
Breakpoints:	256 K hardware breakpoints; Code/read/write
Trace:	DTrace16 or DBox16
HLL-Debugger:	HiTOP Support of compilers from Keil, Tasking Powerful macro language HiSCRIPT
Adaptation:	Various
Power:	Universal input voltage for worldwide use
Dimensions:	32 x 150 x 82 mm (H x D x W)

## DTrace16

Technical data:	32 k frames to record address, data and control No real-time violation (by operation)
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## DBox16

Trace:	HLL/Linetrace, Instruction-Trace, Signal-Trace
depth	32 K frames (variants with 64 K, 256 k available on demand) records address, data, control, externals, timestamps no real-time violation (by operation)
width	96 Bit
timestamps	resolution 50 ns
externals	8 Bit
filter	via Trigger and Trace-Region settings
Trigger:	4
technical details	changeable on the fly, read before written control for Address-, Data-, Status-, Trace-control
time trigger	for time measurement of/between several trigger events
Sequence:	2 Levels
Protection:	256 kByte (1 Byte resolution)
Coverage:	256 kByte
Performance Analysis:	Event-Profile Duration Count Nesting



## The company

Hitex was formed in 1976 and has focused on efficient and professional solutions in the field of microprocessor development. Since then, we have been operating successfully in the fields of

### DEVELOPMENT TOOLS AUTOMATION

As a leading manufacturer of development tools for microprocessor systems, we are known worldwide by our customers, our partners and by the chip manufacturers. Our expert staff for automation engineering provides tailored solutions to your most complex design challenges.

Our tools and knowledge help improving product quality. As our customers rely on our products, quality is an important issue for our company, too. Therefore we maintain a quality management that is ISO 9001 certified.



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