8xC251xx, 8xC151xx, 8xC51Fx Evaluation Board

- 16 MHz 8xC251xx Processor
- Accommodates 8xC151xx and 8xC51Fx Processors
- Both Internal/External UARTs/RS232 Ports
- 32k Bytes of External EPROM Includes RISM
- 128k Bytes of External SRAM (Data & Prog)
- *Ap*BUILDER and Software Demos
- Board and Chip User's Manuals, Data Sheet, Line Card, Errata

MCS® 251 Architecture Functionality
The 8xC251xx microcontroller is a high-performance upgrade of the widely-used MCS® 51 microcontroller. It extends features and performance while maintaining binary-code compatibility and pin compatibility with the 8xC51Fx. This evaluation board supports both of these microcontrollers and, in addition, supports the 8xC151xx microcontroller.

Memory
The 8x93x USB Eval Board contains 32k bytes of EPROM containing a Reduced Instruction Set Monitor (RISM). It is also equipped with a 128k byte SRAM for use as Program Memory and/or Data Memory. This is in addition to the memory internal to the 8xC251xx microcontroller.

Two UARTs
Both the internal UART and a 16C550 external UART are provided with RS232 interfaces to a Host PC or other application.

Software Development Environment
Intel *Ap*BUILDER is included along with software demo packages. The demo packages currently include compilers, assemblers and debuggers. The demo packages are subject to change without notice.

Power Supply
The 8xC251 Eval Board is designed to operate from a single +5 volt regulated supply, drawing less than one amp.

MICROCONTROLLERS SUPPORTED:
8x251xx, 8x151xx and 8x51Fx

DEVELOPMENT PLATFORMS:
IBM-compatible PC

AVAILABILITY:

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