Ultra-8051 In-Circuit Emulator

- Real-Time Emulation For Intel MCS® 51 Microcontroller
- Source-Level Debugging Under Windows*
- Integrated Development Environment For Intel MCS 51 Microcontroller
- Single-Chip and Expanded-Mode Support
- Performance Analysis Option
- Code Coverage Measurement Option
- Intel-Compatible 8051 Assembler
- ISO9001 Certified Supplier

Ashling's Ultra-8051 Microprocessor Development System provides a complete hardware and software development environment for embedded designs using Intel's MCS 51 microcontroller. The Ultra-8051 In-Circuit Emulator and "PathFinder" source-level debugger offer a uniform Windows-hosted environment for hardware debugging, C code integration, source-level debugging and Software Performance Analysis.
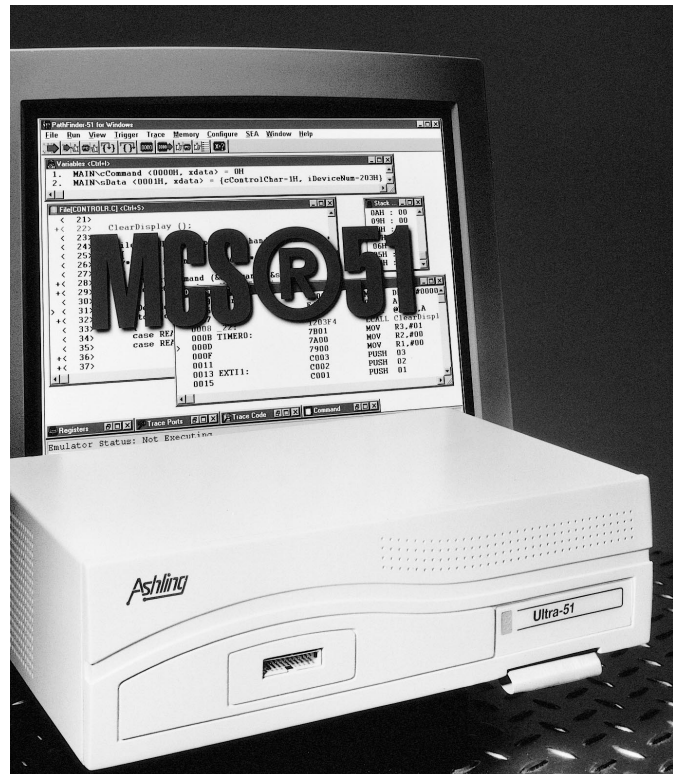
In-Circuit Emulator

The Ultra-8051 Emulator provides real-time emulation in Single-chip and Expanded modes, at target voltages from 2.7V to 5.5V. Probes are available for all Intel 8051 derivatives and packages.

Windows Source-Level Debugging

Ashling's PathFinder for Windows source-level debugger for C and Assembler supports all popular Compilers and Assemblers for the Intel MCS 51 microcontroller family. PathFinder's display-windows show the 8051's on-chip RAM, External Data memory, Disassembled Code Memory, Special Function Registers, Stack, Variables, Source-Code, Traced Executed Source-Code, Traced Port Activity and Code Coverage windows. Assembly-language Source Level Debugging is supported.

System Execution Analyser

The System Execution Analyser (SEA) is a built-in option for Ashling's 8051 Microprocessor Development System. It provides real-time, non-intrusive, non-statistical Performance Analysis, Code Coverage and Report Generation, symbolic function-trace, time-stamping and timing analysis.

Code Coverage System

The Code Test Management System (CTMS) option for Ashling's Ultra-8051 System measures 8051 code execution in real-time. It maps tested and untested code; identifies all tested, partially-tested or untested C source statements and assembler instructions; generates formal, annotated test reports; identifies redundant code; and measures test completeness.

ISO9001 Certification; Quality Management System

Ashling Microsystems Ltd., operates a company-wide Quality Management System, formally certified to the ISO9001 international standard (NSAI Registration No. M619). Ashling meets the need for MCS 51 microcontroller development tools from an ISO9001-certified source.

MICROCONTROLLERS SUPPORTED:
80C32/80C52/87C52, 8031, 8xC5x, 8xC51Fx, 80C51GB

DEVELOPMENT PLATFORMS:
PC (Windows or Windows95); PC (DOS)

AVAILABILITY:
Now

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Ashling
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