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# Technological Arts Inc.

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## D-BugS08 BDM Pod for 9S08 - MicroBDMS08

USD \$199.00



### Product Info

This BDM pod supports most S08 chips running at 5V, and implements a standard 6-pin BDM connector. It requires no external power, as it receives power from your target board.

This pod is based on Freescale's D-BugS08. The big advantage of D-bugS08 over other BDM pods is that it has a very user-friendly interface, through any terminal program. There is no host software to install, and it is completely platform-independent. You can connect to any target and immediately examine memory contents, disassemble code in the target chip's memory, erase and re-program flash from an s-record file, etc. With other pods, you can't easily take these actions. These features make it especially useful for field troubleshooting and firmware updates.

*(Important Note for CodeWarrior Users: the CW integrated loader/debugger does not support D-BugS08-based BDM pods)*

- low-cost BDM pod for all S08 targets running at 5V
- use Freescale D-BugS08 commands on target board
- RS232 interface to PC (or any platform with terminal emulation capability)
- standard 6-pin BDM cable, compatible with virtually S08 boards
- no power supply required-- draws power from target board
- housed in a robust plastic enclosure for maximum reliability

- includes power and activity indicator LEDs
- based on a 9S12 MCU running D-BugS08
- supports baud rates up to 115K (default is 9600 baud)
- compatible with NoICE debugger
- supplied with serial cable
- find D-BugS08 Reference Guide by clicking on the blue Resources tab, above

**NOTE: if you need USB connectivity, you may wish to consider UBDMS08-UR instead**

## [Product Details](#)

**Here's how to use MicroBDMS08:** Just connect the supplied ribbon cable to the target board's "BDM IN" connector, making sure to line up the pin 1 indicator with pin 1 on the BDM connector. The host for the BDM pod can be any type of computer running a terminal program. The BDM pod will receive its 5V operating power from the target board through the ribbon cable. A couple of suggested Windows terminal programs: TeraTermPro and MiniIDE.

**What's inside the box:** MicroBDMS08 is a minimal 9S12 board, running D-BugS08 v1.0.0b6. It consists of the MCU, a crystal, an RS232 interface circuit, and a few miscellaneous components, all mounted on a small board less than 2 inches square. A 6-pin ribbon cable is attached to one edge, and a 9-pin D-sub connector is on the opposite edge, and the whole assembly is housed in a small plastic box. A 9-pin serial cable is included for the PC serial port interface.

**Firmware Updates:** If D-BugS08 ever needs to be updated, it can be done using an S12-compatible BDM pod. By opening the box, applying a DC voltage (5 to 9V, nominal) to the power connector on the circuit board, and moving two jumpers to make the ribbon cable function as BDM IN, the board becomes a target, and Flash can be erased and re-programmed as needed.

## [Resources](#)

- [Documentation and Application Notes](#)
- [Using D-BugS08 with noICE debugger](#)

## [Vendor Information](#)

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