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KITMMDS08GZ

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Orderable Parts

KITMMDS08GZ : Modular Development System (MMDS) Kits

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The Freescale Modular Development System (MMDS) is a full featured emulator system for developing embedded systems using 68HC08 and 68HC908 microcontrollers. In addition to incorporating the debug features of the Freescale Modular Evaluation System (MMEVS), the MMDS adds advanced features such as real-time, dual-ported memory and a bus state analyzer to capture user-defined bus cycles or events. Use the dual-ported memory to tune filter circuits or monitor changes to program variables while your program is running at full speed. Verify nested or complex program flows using the bus state analyzer's full range of sequenced or logical event triggering and data capture modes. These added features help users develop, debug, and deliver 68HC08 or 68HC908 products in less time.

KITMMDS08GZ Features

- Real-time, non-intrusive, in-circuit emulation at the operating frequency of the target device
- Control of code execution in run or step mode
- Real-time bus state analyzer

- 8Kx64 real-time trace buffer
- Display of real-time trace data
- Four hardware triggers
- Nine triggering modes
- Up to 8190 pre- or post-trigger points for trace data
- 16 general-purpose logic chips
- 16-bit time tag, or optional 24-bit time tag

- 4 complex breakpoints (any combination of address, data, control, and/or I/O)
- 64 instruction breakpoints
- 32 real-time variables
- 32 bytes of real-time memory
- 64K bytes of fast emulation memory (SRAM)
- Current limited target input/output connections
- 6 software-selectable oscillator clock sources
- Command and response logging to save session history and/or to generate script files
- SCRIPT command for automatic execution of a sequence of commands (such as system configuration setup and automated test runs)
- Assembly source-level debugging
- Host/emulator communications speeds as high as 57,600 baud
- Extensive on-line device information via CHIPINFO command
- Integrated Development Environment (IDE) including editor, assembler, and

source-level debugger

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KITMMDS08GZ Kit Contains

- MMDS Station module with built-in power supply (M68MMDS08GR):
 - 39cm deep x 25.9cm wide x 7cm high
 - Two logic clip cable assemblies
 - 9- to 25-pin serial cable adapter
 - IDE with editor, assembler, and debugger
- Device-specific emulation module
- Device- and package-specific target cables/adapters
- In-circuit simulation and programming kit (ICS)

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KITMMDS08GZ Documentation

Documentation

Selector Guides

ID and Description	Vendor ID	Format	Size K	Rev #	Date Last Modified
SG1011 Software and Development Tools Selector Guide	FREESCALE	pdf	1736	0	4/26/2006

Users Guides

ID and Description	Vendor ID	Format	Size K	Rev #	Date Last Modified
M68MMDS0508OM MMDS Operations Manual	FREESCALE	pdf	1442	0	1/01/1999

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KITMMDS08GZ Design Tools

Hardware Tools

Evaluation/Development Boards and Systems

ID and Description	Vendor ID	Format	Size K	Rev #	Availability
M68EML08GZ Emulation Module	FREESCALE	-	-	-	Distributor
M68MMDS0508 Modular Development System Platform Board	FREESCALE	-	-	-	Distributor

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Orderable Parts Information

Order Availability	Part Number	Description	Tool Type	Status	Budgetary Price(\$US)	Compliance		RoHS Replacement Part
						Package Peak Temperature (°C)	RoHS	
-	KITMMDS08GZ	DEV SYSTEM	Tested Packaged Module/ Misc Hardware	No Longer Manufactured	-	-	-	-
Distributor	KITMMDS08GZ-E	MMDS FOR 68HC908GZ/ GR	Tested Packaged Module/ Misc Hardware	No Longer Manufactured	-	-	-	-

NOTE:

- Not all orderable parts are offered through our online sampling program. For further assistance in selecting a similar part from within the program, please submit a [Request for a sample order advice](#).
- Refer to [Samples FAQ](#) for more information.
- Looking for an obsolete part? Check our new [part number search](#)

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