56F800, 56F8300/8100, 56F8000 and 56850 Series Hardware Development Tools

Freescale Semiconductor's comprehensive processor evaluation kits provide an exceptional out-of-box experience, containing the tools required to quickly begin processor evaluation.

The 56F800, 56F8300/8100, 56F8000 and 56850 processor series are supported with a comprehensive and scalable development environment enabling rapid evaluation and concurrent hardware, software and system development, speeding your product to completion. Our solutions are all supported with an evaluation module (EVM) kit and/or demonstration kit that has everything required to evaluate and start development on your project.

Each EVM/demo board includes:

> Full-featured CodeWarrior™ Development Studio with Processor Expert™ technology

> Processor Expert tool with peripheral drivers, libraries, applications and interfaces

> Full-featured processor evaluation board with full emulation

> All required cabling and power supplies

> Complete documentation and training material

Each EVM is fully supported by Processor Expert software and by an extensive and expanding line of add-on development system boards, enabling application-specific development of voice and data telecommunications systems and digital audio, as well as motion and industrial control. All of our solutions are also supported by a complete line of hardware emulation tools that attach to the JTAG port of the processors.

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Evaluation Modules and Development Modules Matrix

EVM Kits for the 56F800 Series

> DSP56F801EVM	Evaluation kit for the 56F801 processor
> DSP56F803EVM	Evaluation kit for the 56F803 processor
> DSP56F805EVM	Evaluation kit for the 56F805 processor
> DSP56F807EVM	Evaluation kit for the 56F807 processor
> DSP56F826EVM	Evaluation kit for the 56F826 processor
> DSP56F827EVM	Evaluation kit for the 56F827 processor
> DSP56F800DEMO	Demo kit for the 56F801/56F802 processor (U.S.)
> DSP56F800DEMO-E	Demo kit for the 56F801/56F802 processor (International)

EVM Kits for the 56F850 Series

> DSP56852EVM	Evaluation kit for the 56852 processor
> DSP56858EVM	Evaluation kit for the 56858/57/55/54/53 processors

EVM Kits for the 56F8000 Series

> DEMO56F8013	Demo kit for the MC56F8013 processor with U.S. power supply
> DEMO56F8013-E	Demo kit for the MC56F8013 processor with universal power supply
> DEMO56F8014	Demo kit for the MC56F8014 processor with U.S. power supply
> DEMO56F8014-E	Demo kit for the MC56F8014 processor with universal power supply

EVM Kits for the 56F8300/8100 Series

> MC56F8367EVM	Evaluation kit for the 56F834x/814x, 56F835x/815x and 56F836x/816x processors
> MC56F8323EVM	Evaluation kit for the 56F8322/8122 and 56F8323/8123 processors
> MC56F8300DSK	Developers Starter Kit for the 56F8300/8100 Series

Motion Control Development for 56F800 and 56F8300/8100 Series (Supports 56F80XEVMs and 56F83XXEVMs)

> ECMTREVAL — Motor control evaluation kit with a low-voltage power stage and small BLDC motor

Motor Control Development for the 56F8000 Series (Supports DEMO56F8013 and DEMO56F8013-E)

> APMOTOR56F8000 — Motor control demonstration kit with low-voltage power stage and small BLDC motor

Telecommunications Development for 56F800 and 56850 Series (Supports 56F82XEVMs and 5685XEVMs)

> DSP56800TDC — Development card for voice and data telecommunication applications providing for PSTN network connection, keypad entry and LCD display

Emulation Tools

> DSPCOMMPARALLEL — Supports JTAG-to-parallel port interface; requires parallel port

> CWH-UTP-ONCE-HX — USB to JTAG adapter

Flash Programming for 56F8000 Series

> CPA56F8013 — LQFP and PDIP socket board for MC56F8013 processor

> CPA56F8014 — LQFP and PDIP socket board for MC56F8014 processor

Learn More: For more information about Freescale products, please visit **www.freescale.com**.

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