56F8300/56F8100 Demonstration Kit

Expanding Freescale Semiconductor’s successful 56F800 demonstration kit, the advanced 56F8300/56F8100 Developers Starter Kit brings demonstration, evaluation and development capabilities to the 56F8300 and 56F8100 series of digital signal controllers.

This comprehensive kit includes a demonstration board that uses the 60 MIPS 56F8323 digital signal controller with on-chip oscillator to illustrate the enhanced capabilities of the 56F8300/56F8100 Series. To demonstrate some typical 56F8300/56F8100 applications in which processing power must be combined with remote sensing capabilities, the MC66F8300DSK integrates Freescale’s MC33794 e-field sensor. It also features a built-in JTAG-to-parallel port command converter, with parallel cable included, providing fast and simple out-of-the-box debugging.

For rapid application development, the 56F8300/56F8100 Demonstration Kit includes the award-winning CodeWarrior™ Development Studio for 56800/E with Processor Expert™ (PE) technology. The multilayered CodeWarrior tool allows development, compiling, linking and debugging applications with a complimentary permanent license (limited to 16 KB). Processor Expert technology provides fully debugged peripheral drivers, libraries and interfaces that allow the programmer to create unique C application code independent of component architecture.

Freescale combines the demonstration board, CodeWarrior Development Studio with Processor Expert technology, preprogrammed sample applications and an extensive, self-paced training CD-ROM to create a comprehensive, scalable tools solution for easy, fast and efficient development.

Features
- Complimentary permanent license for CodeWarrior Development Studio (up to 16 KB)
- Uses 60 MHz 56F8323 digital signal controller with on-chip oscillator
- Integrated MC33794 e-field sensor
- Preprogrammed sample applications
- Onboard expansion capabilities for development activities
- Onboard JTAG-to-parallel port command converter and parallel cable
- Universal power supply
- Processor Expert tool with software libraries and training CD-ROMs
Preprogrammed Sample Applications

> Voice recording and playback
> E-field sensor control
> Fault control using on-chip temperature sensor
> Fast interrupt example
> On-chip timer demonstration

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