ASDAK

Augmented Switching™ Technology Accelerated Development Kit
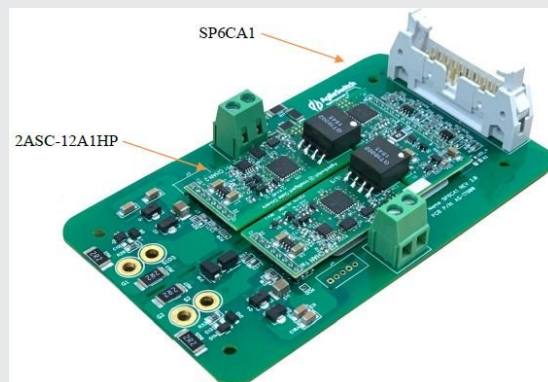Digital Programmable Gate Drivers

Unlock the Full Potential of SiC

Microchip's Accelerated Silicon Carbide (SiC) Development Kit includes the hardware and software elements required to rapidly optimize the performance of SiC modules and systems.

This new tool enables designers to adjust system performance through software upgrades using the AgileSwitch® Intelligent Configuration Tool (ICT) and a device programmer. No soldering required.
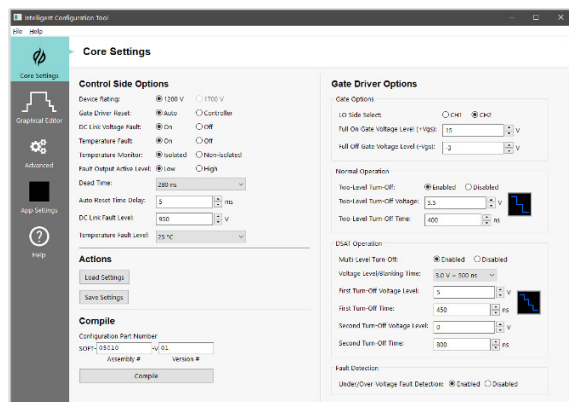
The ICT offers configuration of different drive parameters including on/off gate voltages, DC link and temperature fault levels and Augmented Switching™ technology profiles.

Small changes to the Augmented Switching technology profiles can yield dramatic improvements in switching efficiency, overshoot, ringing and short-circuit protection.

Intelligent Configuration Tool (ICT)

Optimize with a Keystroke

Available for download at www.AgileSwitch.com/program.html

Each Kit Includes

- 3× – 2ASC Series Cores
- 1× – Module Adapter Board
- 1× – ASBK-014 Device Programmer Kit
- 1× – ICT Software

Kit Part Numbers

ASDAK-2ASC-12A1HP-62

- 3× 2ASC-12A1HP – 1200V Core
- 1× 62CA1 – 1200V 62 mm Module Adapter

ASDAK-2ASC-17A1HP-62

- 3× 2ASC-17A1HP – 1700V Core
- 1× 62CA4 – 1700V 62 mm Module Adapter

ASDAK-2ASC-12A1HP-SP6LI

- 3× 2ASC-12A1HP – 1200V Core
- 1× SP6CA1 – SP6LI Module Adapter

SiC Module not included
Most individual components may be ordered separately
Programming kit may differ from shown

Compatible SiC Manufacturers

www.microchip.com