

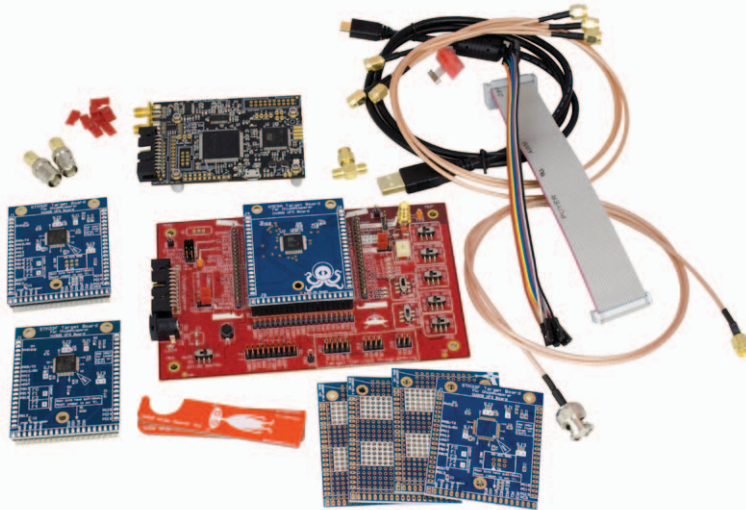


NewAE Technology Inc.
newae.com

ChipWhisperer® Embedded Security Analysis Tools Capture Hardware

Level 1 Starter Kit

Product Datasheet



This starter pack is great for getting involved with side-channel power analysis and fault injection attacks. It includes our ChipWhisperer-Lite Capture and our versatile UFO board.

This allows you to perform attacks on a variety of targets, including the 8-bit microcontroller (XMEGA) and 32-bit (STM32 Arm) microcontroller included.

The UFO board supports a variety of additional targets such as FPGAs and microcontrollers with advanced features such as hardware cryptography.

You can also build custom top boards for targeting new devices.

Product Highlights

Includes the following:

- ChipWhisperer-Lite Capture
- CW308 UFO Baseboard
- CW308T-XMEGA Target (XMEGA, AVR Core)
- CW308T-STM32F3 Target (Cortex M4)
- CW308T-STM32F0 Target (Cortex M0)
- CW308T Generic PCB (0.1" spacing prototype board)
- CW308T-STM32F Blank PCB
- 2x Lifter tool to remove targets
- SMA Tee adapter (for power analysis & fault injection simultaneously).
- SMA cables
- SMA to BNC cable

See individual product datasheets for more information on the UFO board and ChipWhisperer-Lite.

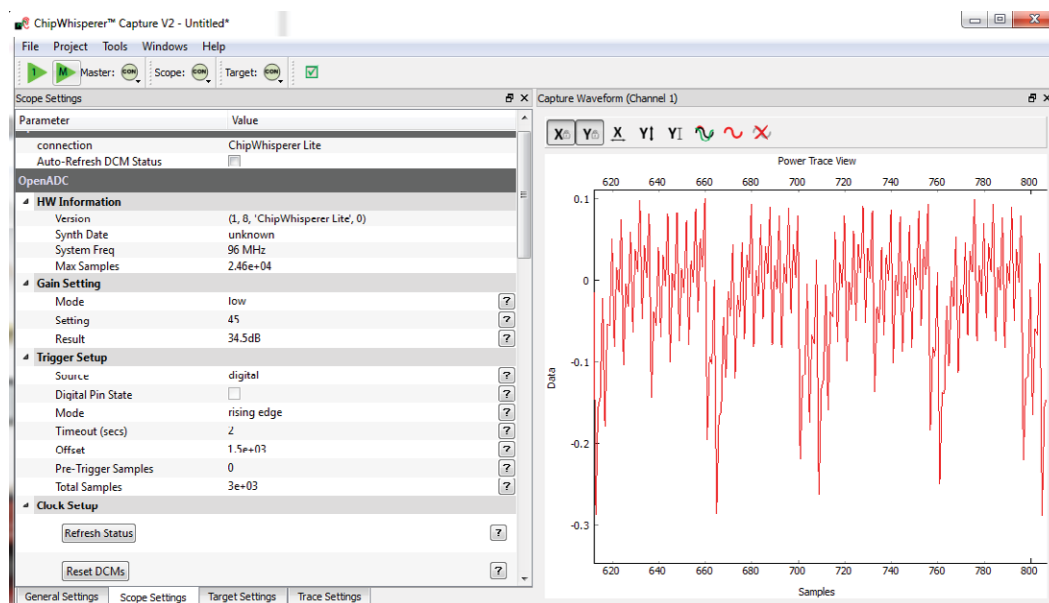
Ordering Summary

NAE-SCAPACK-L1 Kit of ChipWhisperer-Lite Capture, UFO Base Board, sample targets, cables.

Product Links

Tutorials and Examples <https://wiki.newae.com/>

Software Support



The ChipWhisperer project is an open-source toolchain for embedded security research. All of the targets and capture hardware in this catalog are supported by a Python-based capture application. The open-source nature means you can modify for your specific needs – whether you are developing your own algorithms or want to perform validation on a proprietary targets, ChipWhisperer has you covered.

ChipWhisperer runs on most computer platforms (Windows, Mac, Linux). You can freely download and use the open-source software to confirm functionality.

Disclaimers

This product may be protected by U.S. patent no. 9,429,624; 9,523,737. NewAE is part of the Open Patent Non-Assert pledge. See newae.com/patent for more information.

All content is Copyright NewAE Technology Inc., 2018. ChipWhisperer is a trademark of NewAE Technology Inc., registered in the United States of America, the European Union, and China. ChipSHOUTER is a trademark of NewAE Technology Inc., registered in Europe. Trademarks are claimed in all jurisdictions and may be registered in other states than specified here.

NewAE Technology makes no representations or warranties with respect to the accuracy or completeness of the contents of this document and reserves the right to make changes to specifications and product descriptions at any time without notice. NewAE Technology does not make any commitment to update the information contained herein. NewAE Technology products are not intended, authorized, or warranted for use as components in applications intended to support or sustain life. NewAE Technology products are designed solely for teaching purposes.

All other product names and trademarks are the property of their respective owners, which are in no way associated or affiliated with NewAE Technology Inc. Use of these names does not imply any co-operation or endorsement.

AVR and XMEGA are registered trademarks or trademarks of Atmel Corporation or its subsidiaries, in the US and/or other countries.

Artix and Spartan are registered trademarks or trademarks of Xilinx, Inc. or its subsidiaries, in the US and/or other countries.

Arm is a registered trademark of Arm Limited (or its subsidiaries) in the US and/or elsewhere.