

WORKSHOP: Hardware Reverse Engineering

Target Audience:

It is for embedded developers, embedded security enthusiast, anyone interested to learn IoT pentesting or IoT Developers and testers.

Key Takeaways:

- Importance of security in hardware developing. As a hardware developer they will be exposed to the hardware security domain.
- They will develop analysis strategies for the target devices.
- Participants will be skilled in using tools for sniffing and dumping data.
- Participants will be comfortable to open any device future and perform testing

Prerequisites:

- Basics knowledge of electronics and circuit diagram.
- Basic knowledge of programming.

Drivers for bus pirate (windows) <http://dangerousprototypes.com/blog/2009/07/23/bus-pirate-101/>

Install minicom (linux) <https://www.cyberciti.biz/tips/connect-soekris-single-board-computer-usingminicom.html>

Arduino installation for all OS <https://learn.sparkfun.com/tutorials/installing-arduino-ide>

Ch341a for windows <https://tosiek.pl/ch341-eprom-and-spi-flash-programmer/>

Ch341a for linux <https://sourceforge.net/projects/ch341epromtool/>

Logic analyser <https://www.saleae.com/downloads>

CP210x (windows) <http://www.silabs.com/products/development-tools/software/usb-to-uart-bridgevcpi-drivers>

Tera term (windows) <https://ttssh2.osdn.jp/index.html.en>