THINGZ EYE
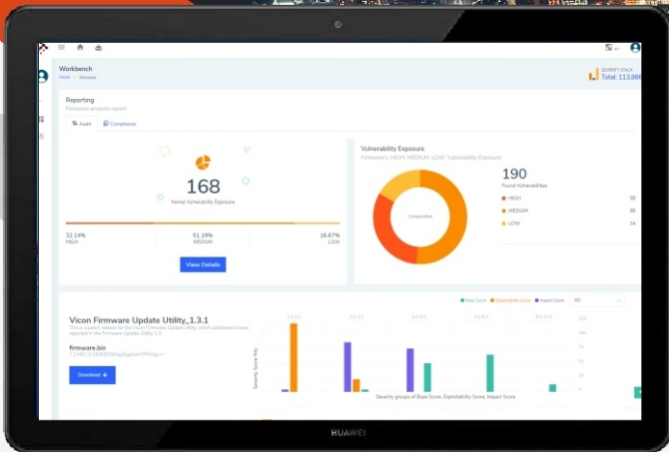
A trusted solution to diagnose security risks of your IoT devices

ThingzAnalyzer

A trusted solution to diagnose security risks of IoT devices

WhyIoT Security Matters?

Forbes reported that cyberattacks on IOT devices surge 300% In 2019, which is measured in $B of loss. The most common IoT security Loopholes are:

↗ Insecure default settings & flawed baseline configurations.
↗ lack of secure firmware update mechanism.
↗ Insecure data storage and transfer over the network.
↗ lack of physical hardening.

What ThingzAnalyzer is ?

Thingz Analyzer is an online cloud based service that Performs automated firmware security analysis and also integrates the device hardware analysis done by the team. It serves as a physician of your IoT device that delivers a 360 security analysis for vulnerabilities in both software and hardware.
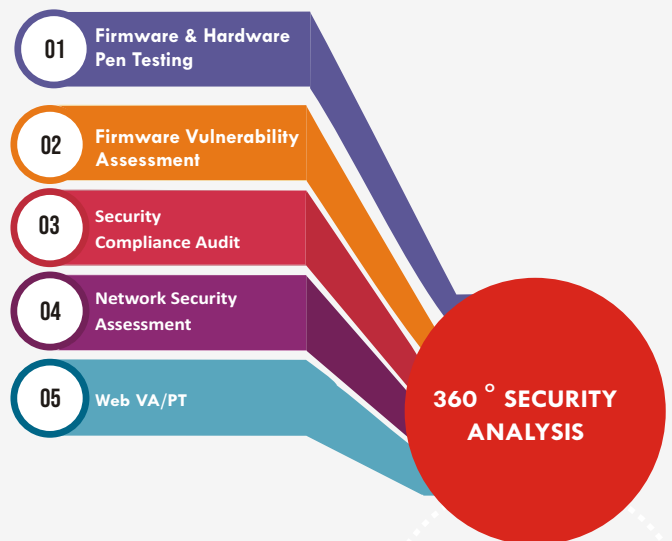
01	Firmware & Hardware Pen Testing
02	Firmware Vulnerability Assessment
03	Security Compliance Audit
04	Network Security Assessment
05	Web VA/PT

360 ° SECURITY ANALYSIS

Features

Firmware & Hardware Pen Testing

We offer penetration testing of your IoT applications from devices hardware to Mobile/Web applications to validate the incorporated security in your system.

Firware Vulnerability Assessment

Vulnerability assessment Identifies firmware vulnerabilities of the device ranked according to their severity level.

The only tool that supports IoT specific operating systems RTOS and Xtensa in addition to Linux.

Security Compliance Audit

ThingsAnalyzer performs a security compliance test of the firmware that includes the Following;

⤢Validate that the certificate of the firmware is authenticated with the trusted third party.
⤢Verify the strength of algorithm and exposure of private key.
⤢Identify security risk in your app by checking the duplication of SSH certificates.
⤢Check for accessibility of configuration and shadow files of device.
⤢Provide a list of exposed email addresses in the firmware, which can ultimately be targeted for spamming, phishing etc.

Network Security Assessment

These services entail assessment of open ports and network services vulnerabilities and their credentials strength. We also assess wireless interfaces ZigBee, Bluetooth, WiFi for their authentication and privacy settings.

Web VA/PT

We perform detailed testing of web application security flaws; web server vulnerabilities, http methods and headers, SSL fingerprinting, cross-domain policy, credentials strength, access to restricted directories etc.

Why ThingzAnalyzer?

We address much demanded security vital for IoT solutions. It is aimed to diagnose the loopholes of the Innovations delivered by the IoT vendors, improves application credibility by finding security vulnerabilities statically and dynamically to fix them before exploitation. It has been designed and implemented to audit the IoT devices and their network interfaces security pertaining to the IoT hardware as well as firmware.

Free Demo

Please sign up at www.thingzeye.com to register for a free account and try Thingz   Analyzer for your device..

For the product at any stage, whether infancy or mature, we offer security compliance analysis and vulnerability assessment tailored according to your needs.

Who we are ?

ThingzEye is a spin off from IoT Research and Innovation Lab (IRIL), KICS, UET Lahore. IRIL security lab is funded by National Center of Cyber Security (NCCS) and has the mandate of developing cutting-edge solutions in the domain of IoT security. Our specialised team has five senior PhD researchers, an Industry security consultant and more then 15 security/embedded engineers and software developers