IOT / CONNECTED DEVICES

IoT & Connected Device Security Assessment

Hardware, firmware, radio and cloud testing for connected products, with post-quantum readiness and AI security — because one flaw in a shipped product is a flaw in every unit.

3 units	Fleet-wide	CycloneDX	Senior
MINIMUM, ONE PRISTINE	RISK-RATED	CBOM & ML-BOM OUTPUT	PRACTITIONER-LED

What we assess

AI security
Voice assistants, camera analytics and agents that can trigger device actions, and the pipeline that updates them.

Post-quantum readiness
Firmware and update signing, device identity and provisioning, and cloud links — decided before the next hardware revision.

Device & ecosystem testing
Hardware and debug interfaces, firmware, secure boot and updates, radios, and the app, provisioning and cloud APIs behind them.

What you get

- ✓ Per-device vs shared secrets, secure boot and update integrity answered up front
- ✓ Findings pinned to hardware revision and firmware version
- ✓ Severity weighed on attacker class, impact and fleet scope
- ✓ Fixes sorted by route: cloud, firmware, hardware revision
- ✓ Critical findings in writing and timestamped, on the day
- ✓ Upstream register for shared modules, chipsets and SDKs
- ✓ CBOM and AI-BOM in CycloneDX format, plus one retest

How it works

1. Scope the product, its update path, and your target markets
2. Recon from public filings, then diff two units' firmware early
3. Test hardware, firmware, radio and cloud on your units and test tenants
4. Deliver findings by delivery route, then retest the fixes

A good fit if

- ✓ You sell connected products in the EU, where CRA reporting has applied since September 2026.
- ✓ You have never had anyone outside take your device apart.
- ✓ Your devices share a firmware image, and you are not sure what else they share.
- ✓ You want to know which fixes reach the fleet — and which never will.

Probably not, if

- × You want devices in customers' homes or the production fleet tested — we use your units and test tenants only.
- × You want a certificate of conformity — we produce evidence; conformity is your declaration or a notified body's.
- × You cannot provide at least three units of the product.

How we engage

Fixed scope
A fixed-scope proposal at a fixed price. No hourly meter running.

Senior-led
The practitioner who scopes the work does the work and writes the report.

Plain language
One report your engineers and your board can both act on.

Retest included
We verify the fixes landed — one round of retesting is in scope.

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