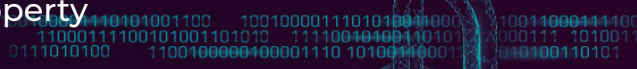


# Irdeto Keys & Credentials

Protect communications, brand and intellectual property for connected consumer devices



Irdeto Keys & Credentials (K&C) is a managed solution that hardens connected products from cyberattacks throughout their entire lifecycle. Irdeto K&C secures how they communicate and exchange data with remote systems or receive, store, and process confidential Intellectual Property (IP).

Irdeto K&C establishes the cryptographic security foundation into products and their silicon during manufacturing, ensuring independence and freedom from future vendor lock-in.

After deployment, the managed security foundation can be leveraged to deploy new functionalities (therefore extending the lifetime of products), and to renew credentials or recover from possible breaches, without truck rolls or recalls. Additionally, it is possible to enforce more advanced business models, via remote license activation, in-field provisioning, and the strict oversight over the manufacturing processes.

## KEY FEATURES

- Lifecycle management of cryptographic identities and credentials (PKI certificates, passwords, hardware secrets, licenses, signed software)
- Full coverage, from product design through manufacturing and in-field operations
- Fully managed solution, already proven with millions of consumer devices – via a scalable SaaS and dedicated Keying Centers
- Automation via API and zero-touch provisioning
- User-friendly Web UI for security administrators and software developers
- Support for complex ecosystems, technical workflows and business rules
- Enterprise 24/7 support and strict SLA
- ISO 27001:2023 compliance

# BENEFITS OF KEYS & CREDENTIALS



## Secure Products

Prevent cyberattacks to your connected products, your brand, and customer data. Achieve compliance with upcoming security regulations (such as EU RED / CSA, US CyberTrust Mark) and certification with industry-specific ecosystems.



## Experts Take Care

Offload your R&D and operations teams from time-consuming security workflows and enable them to focus on building the next innovative product.



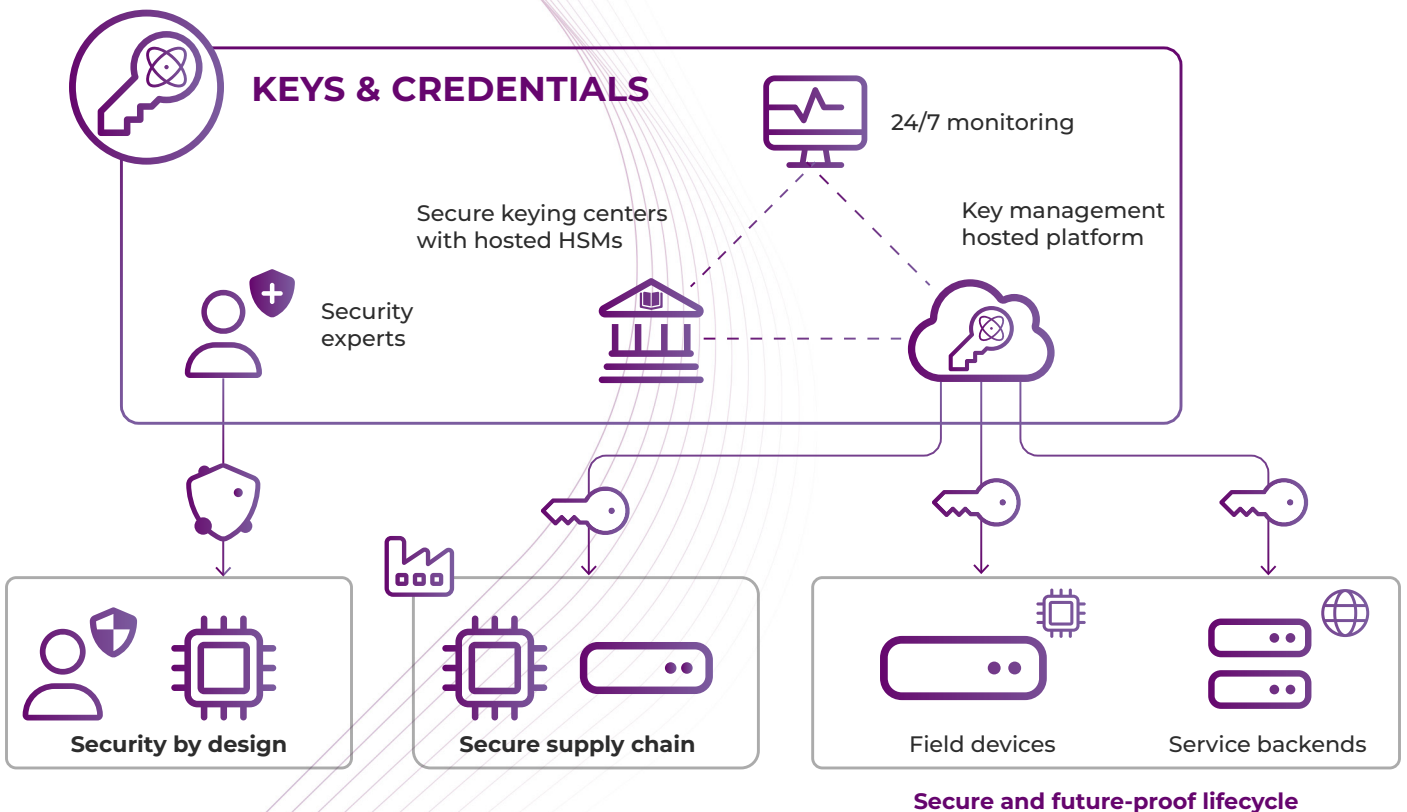
## Future-Proof Products

Achieve freedom from vendor lock-in and future-proof your products, as you legally own and control the cryptographic assets of your products.



## New Business Models

Enable new business models and protect your IP via strong cryptographic controls, strong oversight over manufacturing processes, post-launch license enablement, market-specific in-field provisioning.



## Easy Deployment and Usage

- Rapid onboarding on the service cloud platform
- Web UIs for flexible operations and dashboards
- Managed tokens and on-site SW/HW appliances to secure all manufacturing and service processes
- Multiple environments to match the product lifecycle, from design to production

## Easy Authorization Control

- Integrated user management
- Multi-Factor Authentication (MFA)
- Role Based Access Control (RBAC) allowing the definition of fine-grained authorization policies
- Profile-based logic to ensure that different projects are segregated with their own security policies

## Easy Automation

- APIs for in-field keying, renewal, revocation
- APIs for full automation of build pipelines
- Approval workflows for certificate issuance and firmware signing

## Several Types of Cryptographic Assets

- Private and Publicly trusted X.509 PKIs
- Unlimited number of CAs with arbitrary PKI hierarchies
- DRM keys
- Code Signing keys
- Symmetric keys (AES up to 256 bits) and passwords (e.g., JTAG credentials)
- RSA keys up to 4096 bits
- ECC keys up to NIST P-521
- Upcoming PQC algorithms
- PKCS#7 Code Signatures
- PKCS#1 v1.5, PSS, ECDSA and EdDSA

## Integration with Major Silicon Vendors

- Broadcom
- Qualcomm
- NXP
- Mediatek
- Realtek
- AmLogic

## Service Management, Capacity, Availability

- Up to 125'000 keys / hour
- Up to 99.95% availability rate
- 24 / 7 / 365 operations and support
- Security assets managed on behalf of the customer under Irdeto's ISO 27001:2013 program
- WebTrust conformance
- Managed FIPS 140-2 Level 3 Hardware Security Modules (HSMs), hosted at Irdeto facilities
- Business Continuity and Disaster Recovery Plans

Would you like to learn more about Irdeto Keys & Credentials or explore how it can enhance your revenue?

**Reach out to us today at [www.irdeto.com](http://www.irdeto.com)!**

Last modification: 7-05-2025 / 04:45 pm GMT+01:00

© 2025 Irdeto. All Rights Reserved.