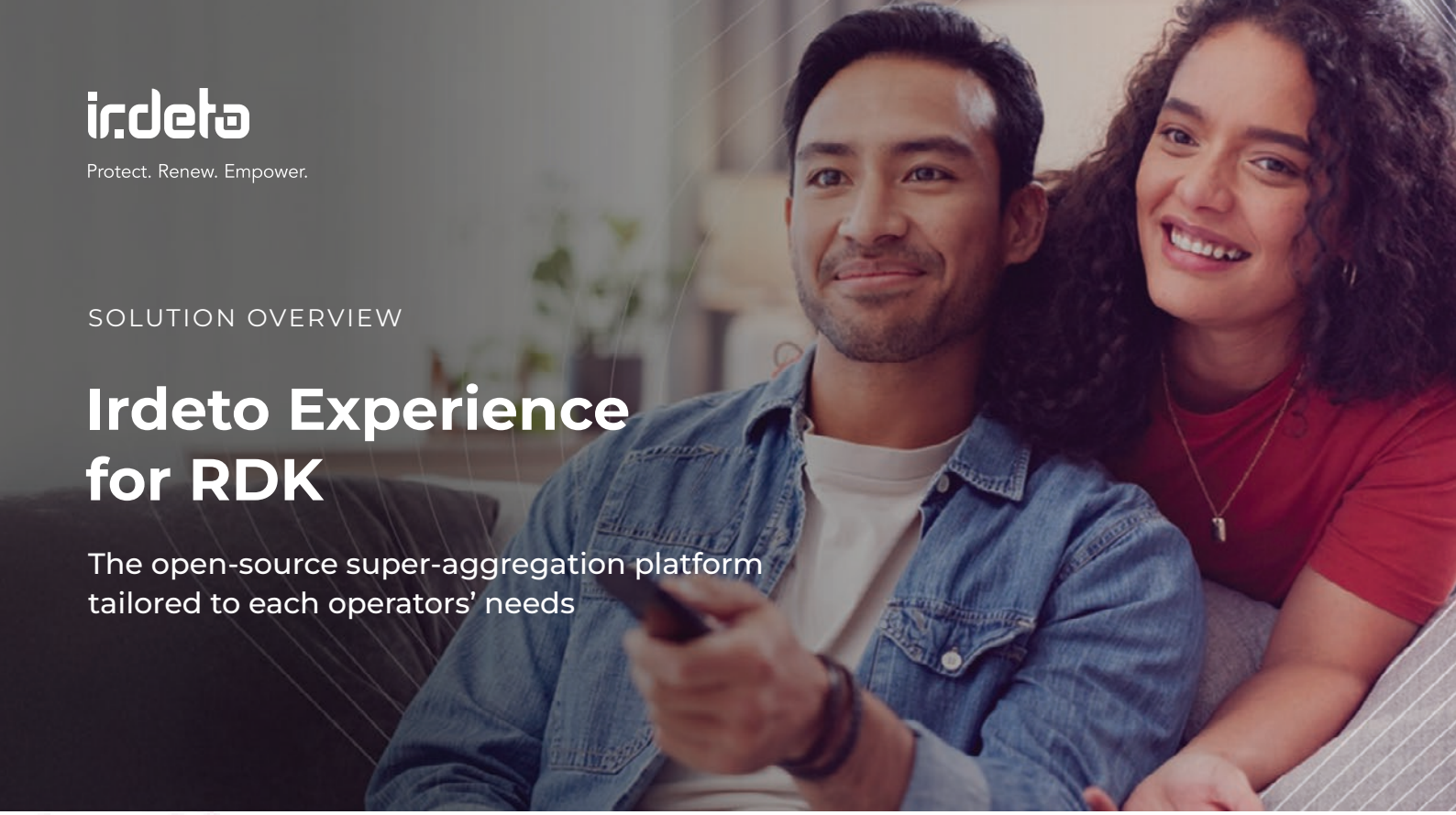
irdeto

Protect. Renew. Empower.



SOLUTION OVERVIEW

Irdeto Experience for RDK

The open-source super-aggregation platform tailored to each operators' needs

In recent years, many operators have faced increasing pressure from both traditional broadcast competitors and Over-The-Top (OTT) service providers. Legacy Set-Top Box (STB) platforms built on proprietary middleware are increasingly limited in their ability to adapt – making it costly and time-consuming to implement new features or integrate apps that meet evolving market demands. While these platforms offer full control, they lack the flexibility required to keep pace with changing consumer expectations and are unable to achieve certification to deploy premium apps.

RDK offers a powerful middleware platform alternative – a community-driven, open-source code base designed to meet the needs of pay-TV and broadband operators. Built for flexibility and control, RDK enables operators to launch connected or hybrid STBs with advanced features, high-performance user experiences and long-term platform ownership. Through participation in the RDK Technical Advisory Board (RTAB), Irdeto and its partners get early access and contribute directly to the platform roadmap, ensuring that RDK continues to evolve in line with operator requirements.



BENEFITS OF RDK



Future-proofing the STB

- Open-source middleware with a community-driven roadmap supported by a broad ecosystem of partners and stakeholders across the pay-TV ecosystem.
- Enables operators to define and certify their own super aggregation platform profiles.
- Supports consistent innovation and long-term evolution aligned with operator business models.
- Leverages web platform for embedded browser and Lightning JS to deliver a high-performance, fluid user interface that meets modern consumer experience standards for launcher User Experience (UX) and applications.
- Supports an optional app store framework, giving operators access and control over app availability and distribution.



Speed up time to market

- Launch managed consumer devices (STB, PUK, Dongle, TV) with advanced capabilities in months, not years.
- Accelerate deployment through pre-integrated solutions and defined platform profiles.
- Extend services beyond media into smart home, gaming, enterprise and more.
- Lightning JS powers a responsive, immersive, and fully customizable UX, delivering a best-in-class viewer experience.
- Operators maintain complete control over UI/UX, branding and service design.
- No restrictions on layout or feature configuration – optimized for branded, operator-centric deployments.



Improve cost efficiencies

- Lower operating costs through shared community development and open-source flexibility.
- Prevents vendor lock-in with a modular architecture and open partner ecosystem – fostering competition based on value, innovation and differentiation in combination with defined, pre-integrated and end-to-end tested Irdeto RDK Port:
    - Irdeto Certified Secure Experience (ICSE) eliminates fragmentation through the shared Irdeto RDK Port, ensuring credibility and compliance for premium app certifications.
    - Significantly reduced total cost of ownership compared to proprietary middleware platforms based on consolidated and shared support.

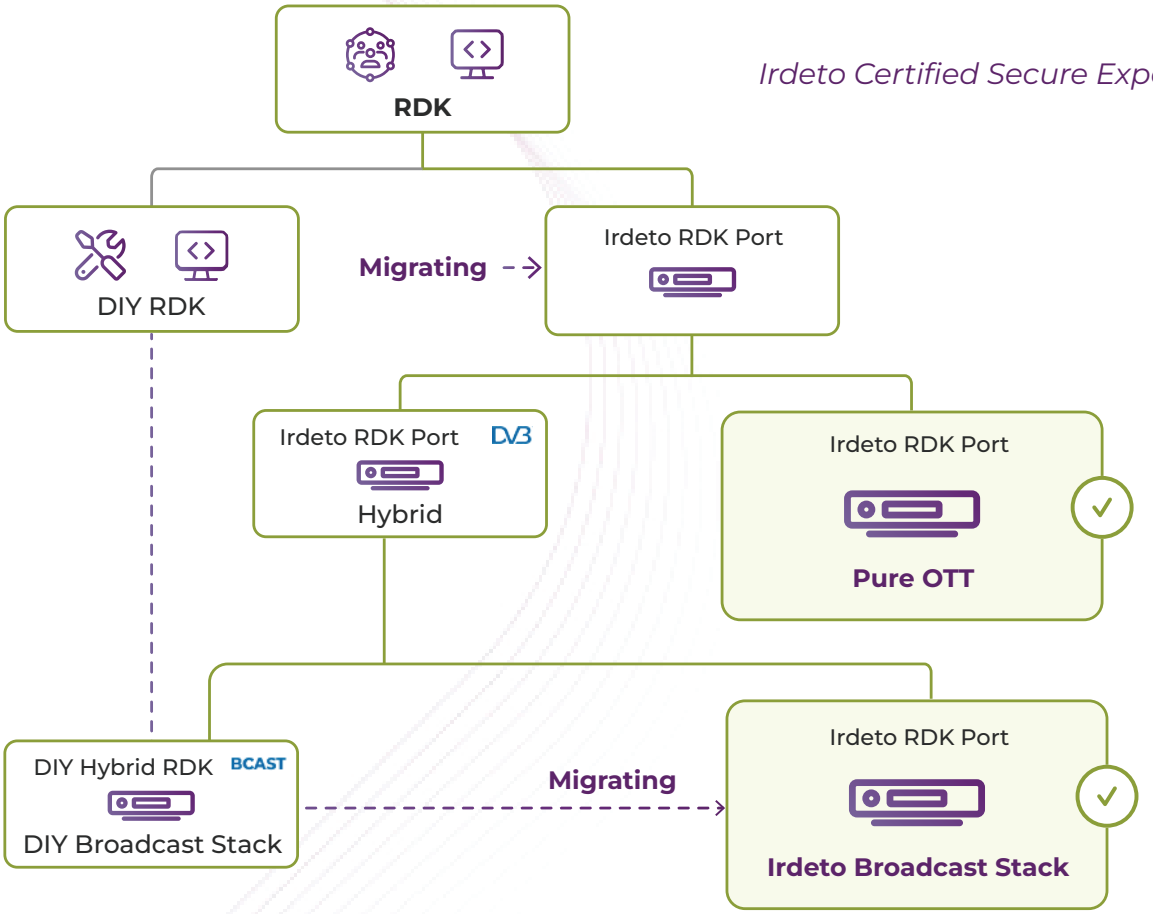
IRDETO, SECURING RDK TO PROTECT OPERATORS' INVESTMENT

RDK gives operators full control over platform development, user experience and feature sets – making it a strategic choice for long-term growth. However, this flexibility must be underpinned by robust security, stability and scalability to protect premium content, safeguard service integrity and support both pure OTT and hybrid deployments.

Irdeto delivers a comprehensive suite of operational protection solutions tailored for RDK, including, forensic watermarking and anti-piracy services. At the core is Irdeto Control, a scalable multi-DRM and policy management solution that ensures secure OTT content delivery across diverse business models. It maintains full compliance with premium licensing requirements while evolving alongside operator needs.

With Irdeto Experience for RDK, operators can confidently deliver unified, consumer-centric services, enable new monetization models and enhance operational agility – making it the ideal platform for long-term, scalable super-aggregation strategies.

Together, these capabilities are brought to market through the Irdeto RDK Port – a certified, ready-to-deploy super aggregation platform designed to accelerate and simplify RDK adoption.



Irdeto Certified Secure Experience (ICSE)

IRDETO RDK PORT – A PRE-INTEGRATED CERTIFIED PLATFORM FOR SUPER AGGREGATION AND MONETIZATION

Developed in collaboration with the RDK community and validated through Irdeto's active participation in RTAB, the Irdeto RDK Port is a market-ready super aggregation platform designed for pay-TV operators transitioning to hybrid or full OTT models. It combines open-source flexibility with the security, stability and scalability shared across operators, defined, and tested – all essential for commercial deployments.

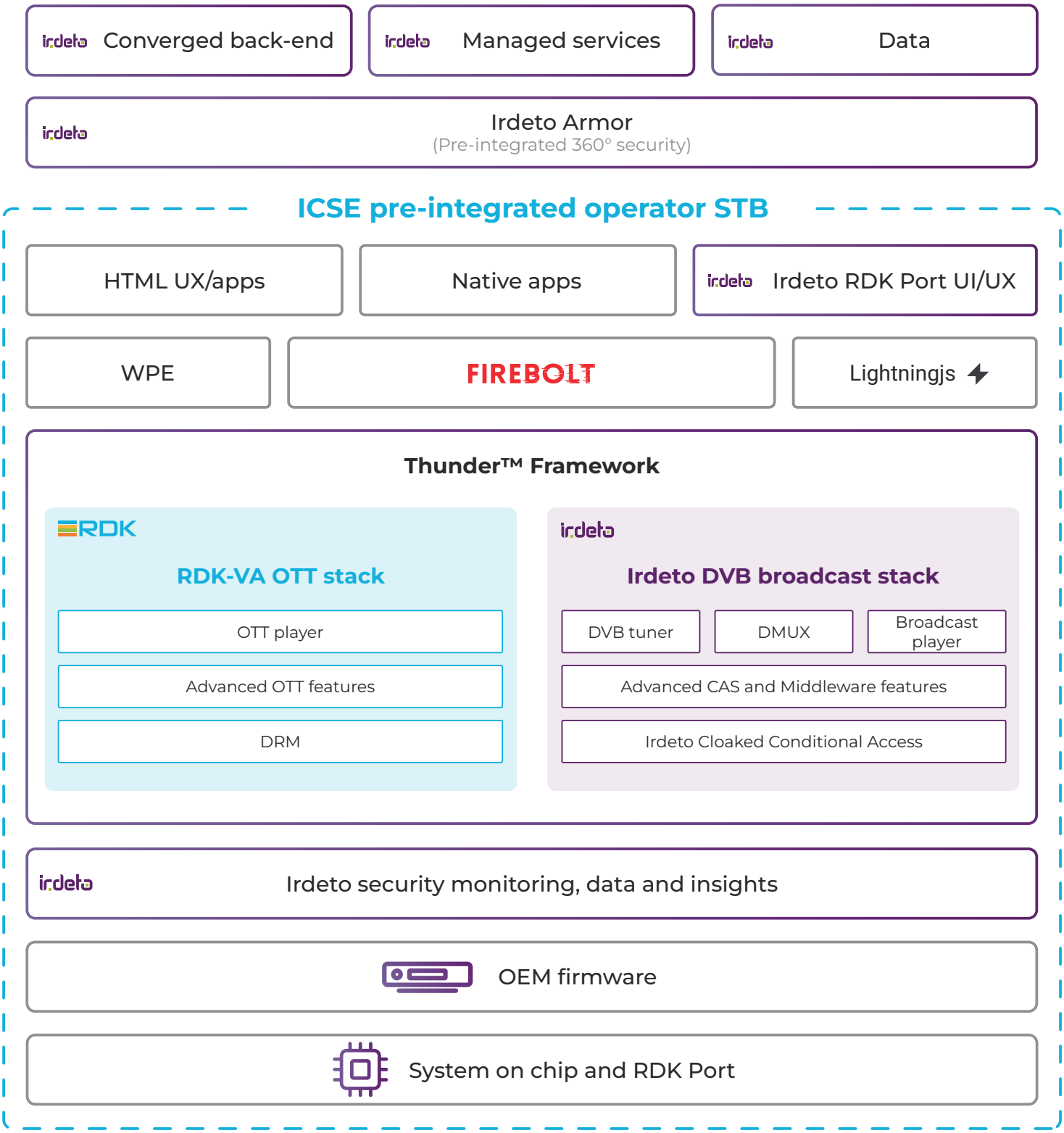
The Irdeto RDK Port includes a pre-defined hardware and software architecture, security and over-the-air guidelines, and a fully integrated Lightning JS UX integrated with the RDK Test Development Kit framework. This approach significantly reduces integration complexity and certification risk, while ensuring consistent performance across Original Equipment Manufacturer (OEM) implementations.

Operators gain a scalable foundation that supports premium content aggregation – including broadcast, streaming, and app-based services – while maintaining full control over the UX and App Store policies. Built-in analytics and remote device management streamline operations and reduce support costs, while the Irdeto Reference UX enables experimentation with advanced monetization models such as targeted advertising and partner integrations.

By actively contributing to roadmap development through RTAB, Irdeto ensures the platform remains future-proof, secure and aligned with evolving Tier 1 market leading operator strategies.



Irdeto RDK Port architecture



BENEFITS OF IRDETO EXPERIENCE POWERED BY RDK



Reduced risk with proven solutions and expertise

Irdeto Experience enables secure and flexible RDK deployments, with built-in protection for premium content such as 4K UHD. The solution includes a customizable launcher and experience management layer, empowering operators to deliver consistent, branded services across all devices.

Together with Irdeto's advanced security services – including Irdeto Armor, watermarking and anti-piracy capabilities – operators can safeguard their services from external threats, secure both in-house and third-party applications and manage risk across the entire device footprint.

The Irdeto DVB stack and widely deployed broadcast satellite middleware is available as an optional RDK component to support pure OTT and hybrid broadcast deployments. It integrates natively with Irdeto Conditional Access and forensic watermarking to protect live and on-demand content over any delivery network. Fully compatible with RDK Thunder Services Paradigm and leveraging the RDK Lightning JS powered UX, operators gain the tools to deliver seamless and high-performance broadcast user experiences.



Massive cost savings

With Irdeto Experience, operators reduce development and integration costs by using pre-certified and pre-integrated platform components. This minimizes time-consuming customization and simplifies the launch process across supported chipsets, STBs and UX partners. Leveraging the shared support advantages across operators.



Fastest time to market

While launching a fully customized RDK deployment can take a year or more, Irdeto Experience for RDK cuts three to six months off that timeline. Thanks to our pre-integrated RDK Port, certified partner ecosystem and robust tooling, operators can accelerate deployment without compromising on control or feature set.



Choice of STB partners

Irdeto's pre-integration across leading chipset and STB vendors gives operators the flexibility to choose the right hardware partners. This open approach avoids supply chain issues and vendor lock-in and allows operators to tailor their deployment to local market needs, supply chain preferences and service goals.

KEY FUNCTIONALITIES

- Open-source super-aggregation platform tailored to operators' needs
- Lightning JS-based user experience and experience management
- Irdeto security architecture aligned with RDK modular framework and operator requirements
- Certified reference platform support across chipset and OEM vendors
- Optional DVB stack and Irdeto Broadcast Middleware to support broadcast services (DVB-S/S2/T2/C) – pre-integrated with Irdeto Cloaked CA and FlexiCore Processor for robust broadcast content protection
- Irdeto Data and Analytics to optimize engagement and mitigate monitoring services to mitigate content piracy. Pre-integration with Irdeto Experience Data and Analytics solutions including:
  - Insights – Field data on user engagement and quality of service to support data-driven optimization
  - Remote device management – Minimizes support costs and enables proactive service improvements

Discover how Irdeto Experience can transform your video platform.

Let's build the future of your platform together.

Contact Irdeto

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Irdeto is a trusted partner for media and entertainment brands, guiding them through digital transformation with innovative solutions that deliver exceptional user experiences. As a global leader in digital platform security, we combine over 50 years of expertise with cutting-edge technology to protect valuable content and combat piracy. Our comprehensive portfolio includes strategic advisory, system integration and managed services, helping customers reduce costs, accelerate time to market and drive sustainable growth. Backed by a global ecosystem of partners, Irdeto empowers customers to build secure, seamless video platforms that foster monetization and operational excellence. With Irdeto, audiences connect with confidence in a secure, future-ready world.

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