

## Driving Confidence: Securing Automotive IoT with Device Authority's KeyScaler

In today's interconnected world, cybersecurity is paramount, especially in the automotive industry where IoT technology is revolutionizing vehicle functionality and connectivity. As we embrace these advancements, it's crucial to address the accompanying cybersecurity risks. At Device Authority, we understand the significance of robust IoT security in safeguarding connected automotive systems against cyber threats.

### Challenges in Automotive IoT Security

- **Complex Industry Standards and Regulations:** The automotive industry is subject to stringent cybersecurity standards and regulations, such as WP.29 and ISO 21434, which are constantly evolving. Organizations must stay compliant while ensuring their cybersecurity measures are up-to-date.
- **Securing Device Onboarding and Authentication:** Onboarding a large number of IoT devices securely and ensuring their authentication without compromising on security or efficiency is a significant challenge.
- **Ensuring Data Integrity and Confidentiality:** With the vast amount of data generated by connected vehicles, maintaining the integrity and confidentiality of this data throughout its lifecycle is critical to prevent unauthorized access and data breaches.
- **Trust in AI-Driven Solutions:** Integrating AI into IoT devices enhances functionality but also introduces new security challenges. Trust in these devices is essential, as any security flaw can render the data they generate unreliable.



## Our Approach

At Device Authority, we tackle these challenges with our advanced IoT security platform, KeyScaler. Our solutions are designed to provide comprehensive protection and ensure the integrity and security of connected automotive systems.

- **Comprehensive Protection:** Through secure device onboarding, authentication, and encryption, we ensure that all devices in the automotive ecosystem are protected from cyber threats.
- **Advanced IoT Security Platform:** KeyScaler offers a robust framework to maintain the integrity and confidentiality of vehicle data and communication networks.
- **Lifecycle Security:** From automated device provisioning to continuous authorization with AI/ML, we provide solutions that cover the entire lifecycle of IoT devices.

## Solution

Device Authority's KeyScaler platform offers a pragmatic path to achieving Zero Trust in IoT, with capabilities such as automated identity lifecycle management, PKI services, secure key generation, storage, and distribution.

- **Secure PKI Management for Connected Cars:** KeyScaler addresses the challenge of securely managing PKI certificates for connected vehicles, enabling secure ownership transfer and simplifying the security supply chain.
- **Collaborative Solutions with Entrust:** Our collaboration with Entrust provides a solution that facilitates secure key transport, streamlined device security, and accelerated incident response.
- **Comprehensive Connected Vehicle Solution:** Our solution offers secure vehicle ownership transfer, digital identity management, data privacy, compliance, and secure over-the-air updates, ensuring robust security and compliance in automotive ecosystems.

For more detailed use cases and to explore how our solutions can benefit your organization, scan the QR code below.

**At Device Authority, we're committed to empowering organizations in the automotive industry with robust IoT security solutions. By staying at the forefront of cybersecurity standards and leveraging innovative technologies like AI and PKI, we enable our clients to navigate evolving challenges with confidence, ensuring the integrity and security of connected automotive systems.**

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