

Future-oriented, holistic, easy-to-use ESCRYPT Vehicle Computer Security Suite



Secure the central enabler of the software-defined vehicle: the vehicle computer

Most new functionalities of software-defined vehicles (SDV) are implemented and located in the vehicle computer. However, this also poses security risks, as it may serve as a gateway for unauthorized access – especially with the growing number of connectivity channels to cell phones, Bluetooth, Wi-Fi, or the Internet. Securing the vehicle computer against all threats without slowing down processes is a tough challenge.

Holistic portfolio for all security use cases

With the ESCRYPT Vehicle Computer Security Suite, ETAS provides a comprehensive and flexible portfolio that addresses unique SDV-challenges, such as the need for efficient collaboration among distributed teams, high data rate management, and maintaining stringent security stan-

dards. It also ensures the balance between accessibility of the vehicle and protection of safety-relevant areas, covering all present and future security use cases.

Highly-customizable and future-proof

The ESCRYPT Vehicle Computer Security Suite comes with plug-and-play packages for specific operating systems such as QNX and ready-to-use security sensors for the OS, the hypervisor, and other relevant sources. It can be customized by connecting arbitrary sources or native applications for security-relevant events with our IDPS module and monitor the status of your entire system. Its flexibility allows you to establish exactly what you need, right through to a zero-trust solution.

Rising customer demands

Customers expect SDVs to be feature-rich, connected, open, and flexible. Most new functionalities are implemented and located in the vehicle computer with a growing number of over-the-air connectivity channels.

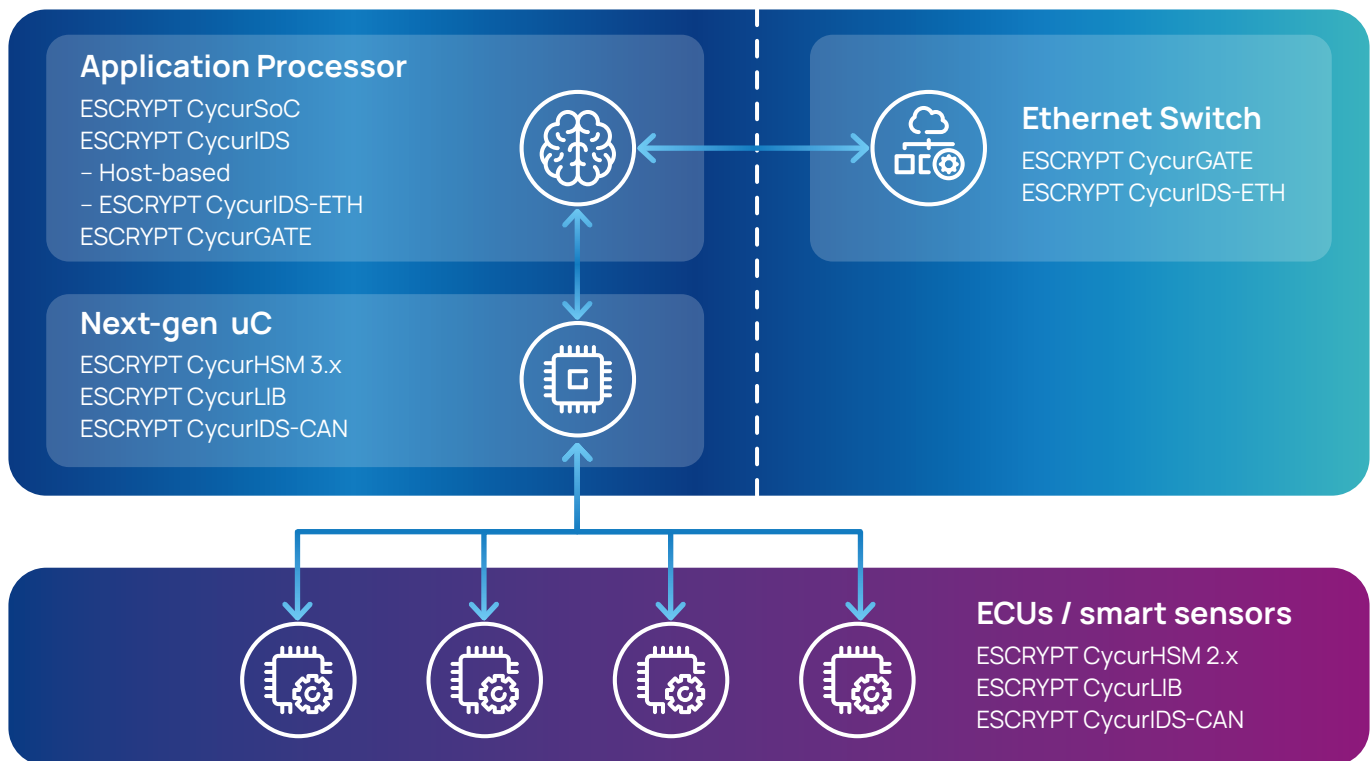
Connectivity comes with risks

Constant new threats call for a complete security concept. We make sure only safe and authorized traffic enters the vehicle computer and all potential leaks are detected without slowing down processes.

Our solution

The ESCRYPT Vehicle Computer Security Suite reduces complexity to a minimum. It simplifies and speeds up integration and validation processes. It includes a trusted operating system, HSM security, IDS and secure Ethernet switches.

ESCRYPT Vehicle Computer Security Suite at a glance



Set the path to a secure future of your software-defined vehicles

Thanks to its flexibility and permanent further development, our portfolio is the ideal solution for future use cases like introducing new business models such as feature-on-demand services, which rely on a sophisticated, performance-oriented security concept to maintain the revenue stream. The ESCRYPT Vehicle Computer Security Suite provides the perfect basis to be and remain competitive in the ever-changing automotive sector.

All our products are used in the field, i.e. are in series production with high maturity and quality. As well-established automotive player and renowned security expert, we maintain our products in the long run and provide regular security updates.



Benefits of the ESCRYPT Vehicle Computer Security Suite

- Increases the security level of vehicle computers
- Offers a fully customizable portfolio for maximum flexibility
- Provides a plug-and-play approach integrated into QNX and Hypervisor
- Designed to handle high data rates
- Offers virtualization for distributed teams
- Easy connection of arbitrary sources and native applications to monitor all safety-relevant events
- Comes with a powerful filtering technology
- Enables compliance with regulations such as UNECE 155/156