



New study by G+D Mobile Security reveals decisive role of eSIM technology for IoT

2020-04-15

Munich

Giesecke+Devrient

The new study commissioned by G+D Mobile Security proves that eSIM technology is one of the key enablers of IoT.

Ranging from smartphones, tablets and wearables to sales terminals, smart meters and connected cars: IoT is about to become the largest machine mankind has ever built - and it is getting bigger every day. The new study "eSIM at an Inflection Point: Adoption poised to accelerate"* commissioned by G+D Mobile Security examines the role of eSIM technology in this development.

For this study, G+D Mobile Security commissioned the market research company IDC (International Data Corporation) to interview decision makers from mobile network operators, device and IoT vendors as well as the automotive and semiconductor industries worldwide. Many leading players in the IoT ecosystem took part in the survey. The key results:

- eSIM is one of the technologies that will have the biggest impact on IoT and will push its spread.
- Over 70 percent of the study participants already use eSIM-based solutions or plan to introduce them within the next two years.
- In addition to secure connectivity, the study reveals five additional IoT use cases for eSIM technology: the protection of user identities, device attestation, application and data integrity, data encryption in the cloud as well as data privacy at the edge.
- Beside the already known revenue drivers, the study identifies four further digital sources that can be more easily implemented with eSIM technology: After sales service, remote maintenance, predictive maintenance and customer data analytics.
- The iUICC (Integrated Universal Integrated Circuit Card) is the latest eSIM innovation which integrates the connectivity hardware directly into the chip architecture of end devices and no longer as independent chips on their circuit boards. This technology is regarded as viable by the participants of the study, but currently perceived as not yet mature enough due to concerns with respect to security, certification and eco-system readiness.

"eSIM technology is at a turning point and ready for its wider breakthrough", says Carsten Ahrens, CEO of G+D Mobile Security. "The study clearly shows that eSIM technology acts as a central enabler of IoT and that the IoT ecosystem is gathering behind it. This is because it opens up numerous use cases as well as revenue streams going far beyond secure connectivity."

The G+D Mobile Security eSIM portfolio covers the classic as well as the latest use cases and underlines its market leadership in eSIM technology.

About G+D Mobile Security

G+D Mobile Security is a global mobile security technology company headquartered in Munich, Germany. The company is part of the Giesecke+Devrient group. G+D Mobile Security has a workforce of 5,300 employees and generated sales of EUR 877 m in the 2019 fiscal year. More than 40 sales and partner offices as well as 20+ certified production and personalization sites and data centers ensure customer proximity worldwide.

G+D Mobile Security manages and secures billions of digital identities throughout their entire life cycle. Our products and solutions are used by commercial banks, mobile network operators, car and mobile device manufacturers, business enterprises, transit authorities and health insurances and their customers every day to secure payment, communication and device-to-device interaction. G+D Mobile Security is a technology leader in its markets and holds a strong competitive position.