



## Security chips from G+D Mobile Security protect professional devices from Miele

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Giesecke+Devrient

Embedded Secure elements (eSE) from G+D Mobile Security are part of Miele's connected professional appliances. They increase the security of certain intelligent devices through encrypted communication.

On the security chips from G+D Mobile Security a special application has been implemented, which Miele uses in its connected professional appliances. It supports the authentication between Miele devices and Miele Online Services and protects the transmission of data using TLS encryption. Communication is bundled via the routers of the home networks. The security elements implement end-to-end cryptographic security by communicating directly with the Miele systems.

The company can easily integrate the chips into its existing environment and enhance the security of its smart home devices. Since communication takes place via WLAN and LAN and not the mobile network, connectivity is guaranteed even if a appliance – such as a washing machine – is in the basement.

Thanks to its innovative system, Miele enables the connection of larger professional appliances such as washing machines, tumble dryers and dishwashers. With the Miele apps, customers can control these appliances quickly and conveniently via smartphone or tablet. Moreover, they can also be integrated into other smart systems.

"We chose G+D Mobile Security as our security chipset supplier because of the company's expertise in the protection of mobile and IoT devices," says Nils Langhammer, Head of Appliance Connectivity and Architecture at Miele. "With its innovative embedded secure elements, it integrates security directly into the devices to secure them from manipulation due to hardware-based protection."

### **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 868 m in the 2018 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. For more information, please visit: <https://www.gi-de.com/de/de/mobile-security>.