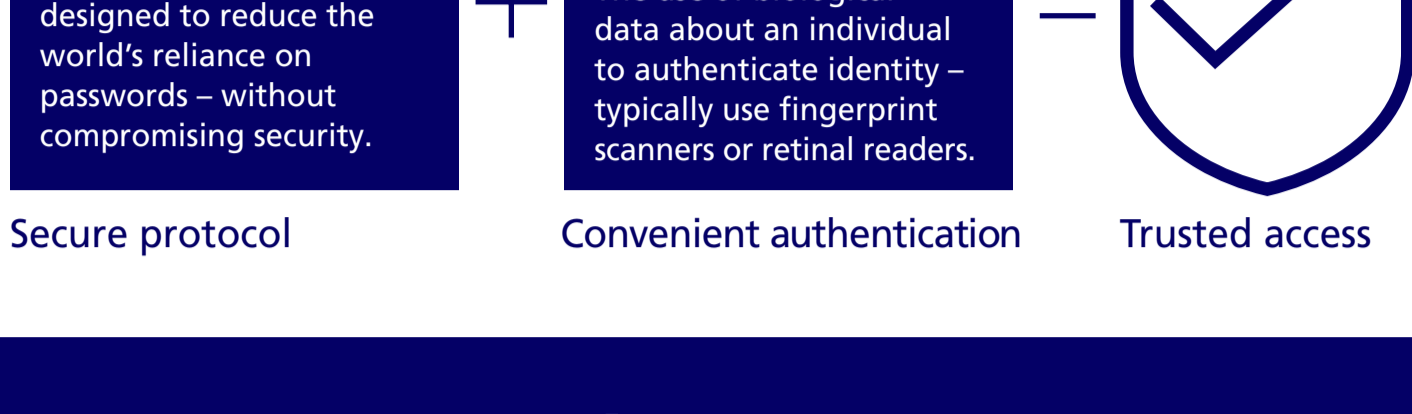


# How FIDO technology and StarSign® security can make the difference for your business

The building blocks for any enterprise security solution



As our physical and digital lives become more and more interconnected, so do the technologies that protect and secure us. With so many parts of our lives requiring secure access – Enterprises are racing to find a solution that provides unbeatable security for people, places, and both physical and digital assets – that also ensure convenience and the fostering of secure habits among their workforces. FIDO's passwordless authentication technology alongside biometric authentication, may be the key...



## Powering authentication

We help organizations to secure identities, protect data, and successfully master the IT challenges of all channels, from cloud services and mobile applications to IoT. Using FIDO and biometric authentication as a starting point, Enterprises can create sophisticated, secure access and control solutions to support:

- Secure physical access
- Secure transactions
- Secure communications
- Secure authentication
- Secure signatures
- Secure mobile payments



## Work ← Life Home

Besides FIDO, our solutions enable secure seamless access in many different real-world scenarios, at home, at work and on the move:

- Garage access**  
Individually provide physical access to secure parking area.
- Building access**  
Room by room, or person by person, control access to your physical space.
- Secure desktop authentication**  
Ensure only trusted employees can access your computers and software.
- Secure e-mail**  
Protect confidential documents and restrict access to the right people.
- Secure document signing**  
Easily authenticate and approve documentation digitally.
- Canteen payment**  
Make a cashless office by offering secure contactless payments.
- Secure mobile authentication**  
Allow access on the move while still maintaining top levels of security.
- Secure transaction signing**  
Know that transactions have been approved by the right people and that your money is protected.
- Secure machine authentication**  
Ensure access to dangerous or expensive machinery is only enabled for the right people.

**\$420 p.a.**  
A Widmeyer survey found that businesses lost over \$420 (\$0.22 per hour) per employee per year in productivity thanks to struggles with passwords. For a 500-person company, that could be as much as \$200,000 annually<sup>1</sup>.

**100**  
The average person has over 100 passwords to remember and manage, according to a recent Nordpass survey<sup>2</sup>.

**\$500k**  
Replacing physical keys is costly – especially master keys. In 2015, a US college had to spend \$500,000 USD to replace keys for all their locks when a master set went missing – over 3000 locks in all<sup>3</sup>.

<sup>1</sup> View Reference  
<sup>2</sup> View Reference  
<sup>3</sup> View Reference

## Introducing the StarSign® portfolio

The StarSign® portfolio, from Giesecke+Devrient, is the perfect way to provide your business access to cutting-edge FIDO-enabled security to protect every aspect of your business operations. Every product in the StarSign® portfolio can be combined with our FIDO Server (or any other FIDO server on the market) for a turn-key end-to-end solution. Available in a variety of form factors, StarSign® can secure your business, no matter how complex the requirement:

- StarSign® FIDO Software Authenticator**  
G+D's StarSign® Software Authenticator solution enables access to physical and digital assets through leveraging smartphone use. It can integrate with your existing mobile app and uses the biometric authentication already available on iOS and Android smartphones.  
[READ MORE →](#)
- StarSign® FIDO Card**  
G+D's StarSign® Card solution, with optional PIN authentication allows both contact and contactless FIDO transactions and can be seamlessly combined with other existing solutions such as physical access control.  
[READ MORE →](#)
- StarSign® FIDO Wristband**  
G+D's StarSign® Wristband is a truly multi-purpose wearable. A simple tap on an NFC reader is enough to open systems or gates. Perfectly designed for outdoor use, the wristband is 100% waterproof and can be customized easily with logos. It supports hardware-based cryptographic operations at the highest levels and comes with a wide range of applications.  
[READ MORE →](#)
- StarSign® FIDO Key Fob**  
G+D's StarSign® Key Fob is a hardware token device with a stylish round shape and coin-like dimensions and an integrated biometrics sensor that supports enrolment of up to 20 fingers and quick authentications by simply touching the sensor surface.  
[WATCH FILM →](#)

## Benefits of the StarSign® portfolio

- Supports multiple connectivity technologies
- Easy plug and play setup
- Hardware created with robust construction
- Convenient form factors for a variety of situations
- Offers support for multi-user and multi-account scenarios
- FIDO enabled for cutting edge interoperability

### About Giesecke+Devrient

Giesecke+Devrient (G+D) is a global security technology group headquartered in Munich. As partner to organizations with highest demands, G+D engineers trust and secures essential values with its solutions. The company's innovative technology protects physical and digital payments, the connectivity of people and machines, the identity of people and objects, as well as digital infrastructures and confidential data.

G+D was founded in 1852. In the fiscal year 2020, the company generated a turnover of 2.31 billion euros with around 11,500 employees. G+D is represented by 74 subsidiaries and joint ventures in 32 countries.

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- Secure mobile payment**  
 Easily authenticate and sign or approve payments in seconds.
 

**86%**  
In a recent survey, 83% of people agreed that biometrics makes logging into apps easier than typing in a password<sup>1</sup>.
- Physical access**  
 Power access to shared spaces such as universities, libraries or gym lockers, and manage access and payments in one device for occasions such as cinema trips, sporting events, concerts and stadium access.
 

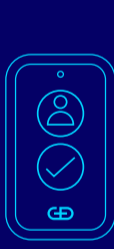
**40%**  
Biometrics, including fingerprint recognition, are expected to make up a 40 percent share of the Physical Access Control System (PACS) equipment market by 2031<sup>2</sup>.
- Secure kiosk authentication**  
 Enable customers to easily book or collect tickets for events and services at the touch of a finger.
 

**76%**  
A recent survey indicated that 76% of customers would like to see stricter security measures implemented to protect their payments<sup>3</sup>.
- Secure mobile authentication**  
 Allow access on the move while still maintaining top levels of security.

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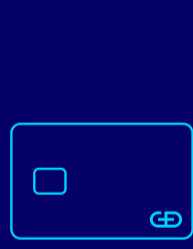
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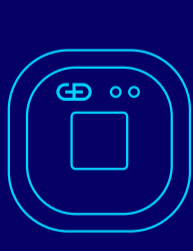
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**StarSign® FIDO Wristband**

G+D's StarSign® Wristband is a truly multi-purpose wearable. A simple tap on an NFC reader is enough to open systems or gates. Perfectly designed for outdoor use, the wristband is 100% waterproof and can be customized easily with logos. It supports hardware-based cryptographic operations at the highest levels and comes with a wide range of applications.

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Secure protocol

Convenient authentication

Trusted access

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## Work Life Home ←

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- Secure desktop authentication**  
Protect your personal computer with enterprise-grade security.
- Secure mobile authentication**  
Use your mobile to authenticate your identity and provide access to secure systems even when working from home.
- Secure e-mail**  
Protect sensitive email from unauthorized access and sign individual emails to ensure trust.
- Secure online transactions**  
Protect your finances and ensure that only trusted individuals can access accounts.
- Remote training course**  
Ensure you have access to sensitive training materials through identity authentication and secure access - even when working from home.

**48%**  
of surveyed IT professionals reported that they were concerned about insecure WiFi becoming a threat to Enterprise systems due to the pandemic-related rise in home and remote working<sup>1</sup>.

**46%**  
of UK security personnel surveyed have noticed a rise in email 'phishing' attacks since the beginning of the COVID-19 outbreak<sup>2</sup>.

**12,377**  
The FBI have reported receiving more than 12000 complaints relating to Internet-based scams - a huge increase<sup>3</sup>.

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