THALES

Technical Data Sheet
Thales Gemalto OTP

Sweet simplicity and security

- Single-button device for authentication
- Standard OTP algorithm
- Enhanced security with SHA256 support
- Eco friendly casing made from recycled plastic
- Easy to use
- Ultra-light and portable
- Customisable to your liking for better customer segmentation

From your perspective

You want to safeguard your customers as they bank and shop online. That means finding a solution that is not only secure but also easy to implement, smoothly adopted by your customers and that you can trust to carry a positive image of your brand.

Our Gemalto OTP Token is a handheld device designed to securely authenticate end-users for digital banking, online shopping or network access control applications.

How it works

To access to your accounts:

1. Press the button on Gemalto OTP Token. The device will display a One-Time-Password (OTP)
2. Enter the OTP along with your ID and password in the login page
3. The authentication server at the bank validates the OTP and gives you access to your accounts

Thales Gemalto OTP

Secure and simple

As a configurable option of the token, OTP generation can be done using Time-based or Event-based algorithms with SHA1 or SHA256 digest algorithms to better fit your security expectations and backward compatibility constraints with your existing back-end system.

The length of the OTPs can be configured (6 to 8 digits) to better balance security and user convenience. Time-based OTPs have a configurable validity duration (8 seconds to 48 hours) to prevent real-time phishing frauds while accommodating the constraints of your targeted authentication flows.

This OTP comes as a second factor for securing your customers' authentication. It is generated by something you have (your device) and will complete something you know (your ID and password).

Go green with Second life plastic

To support sustainability strategies and meet rising consumer demands for green and responsible alternatives, the casing of the Gemalto OTP Token can also be made from recycled ABS plastic. We call this initiative Second life plastic, and it reduces greenhouse gas emissions by 50% of the entire outer case of the device compared to using virgin ABS plastic. Switching to recycled plastic reduces plastic leakage to both our land and water ecosystems and is an important step in fighting plastic pollution on a global level. To avoid additional impact of materials, processes and energy needed to change the colour of the plastic, the recycled casing is only available in black. All our devices made with Second life plastic are carbon neutral since we also support external reduction projects to compensate for the remaining emissions.

Part of our Digital Banking suite

Gemalto OTP Token brings security while preserving convenience for your customers and total cost of ownership for the bank. It is a self-contained solution that requires no chip-enabled banking cards to work.

As part of our versatile Digital Banking suite, the device fits perfectly in any bank's security model. It can easily be accompanied by your choice of complementary products and/or services. The Gemalto OTP Token can easily be migrated to other more advanced and secure solutions.

Technical Specifications

Gemalto OTP Token

- 55 mm * 25 mm * 9 mm
- Weight: 12 g
- Tamper Evident

Display

- Size: 24 mm * 6.6 mm

Enhanced features

- Event based or Time based
- Configurable OTP length (6 to 8 digits)
- Enhanced portability with key ring or lanyard
- Waterproof IP67 option

Customisation

- Logo and casing colours
- Customisable front panel

Standards and certifications

- Compliant to OATH HOTP or TOTP / HMAC SHA1 or SHA256
- CE/FCC certified

Battery

- 1*CR2032
- 5 to 7 years expected life time
- No mercury, no lead, no cadmium