# PROTECTIMUS

## Protectimus Crystal
### The most convenient, stylish OTP token

Protectimus Crystal hardware OTP tokens support the TOTP one-time password generation algorithm. They come with hard-coded secret keys.

Despite their small form factor, Protectimus Crystal one-time password generators are equipped with easy-to-read displays, featuring the largest, clearest digits of any Protectimus OTP token.

Protectimus Crystal hardware tokens for two-factor authentication operate in accordance with OATH standards.

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# Protectimus Crystal
## Technical Specification

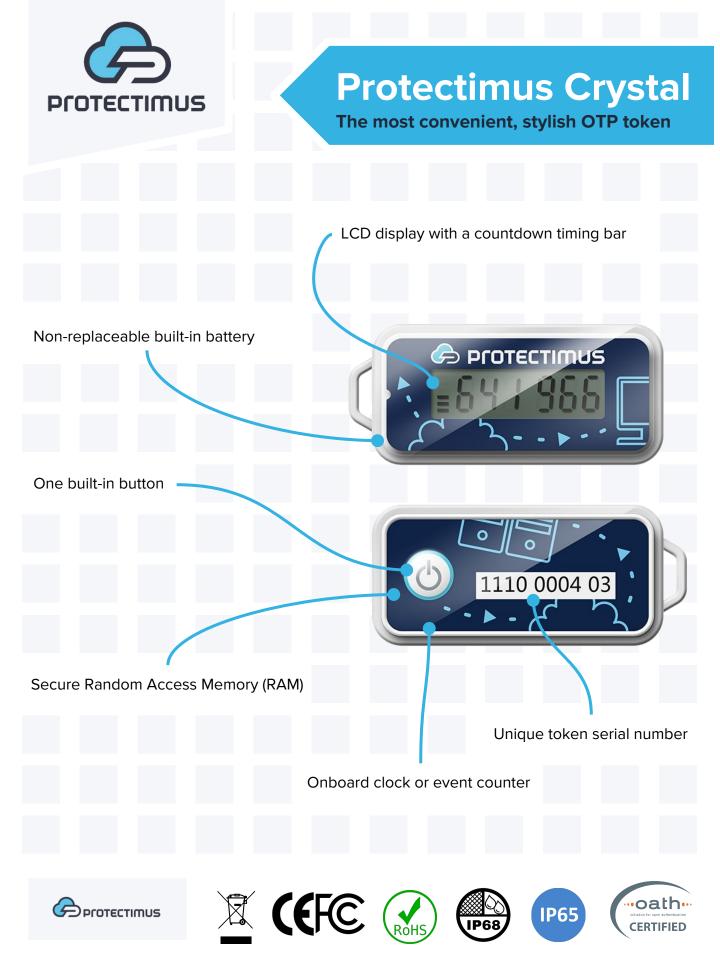| | |
|---|---|
| **Weight** | 9 g |
| **Dimension** | 44.3 × 19.9 × 7.4 mm |
| **Display** | LCD 6 digits / 8 digits (Optional) |
| **Algorithm** | OATH compliant time based TOTP / OATH compliant event based HOTP (Optional) |
| **Cryptographics** | SHA-1 / SHA-256 (Optional) |
| **Time Interval** | 60/30 seconds (Optional) |
| **Operating Temperature** | 0°C - 40°C  (32°F - 104°F) |
| **Short Storage Temperature** | -10°C - 45°C  (14°F - 113°F) |
| **Humidity** | 0 - 90% without condensation |
| **Battery** | 5 years |
| **Material** | PET + PC |
| **Physical Resistance** | Tamper evident<br>IP68 for Glue Injection |

# Key Features

## Secure

- Strong two-factor authenticator through dynamic password technology
- Compliant with OATH open algorithm
- Easy to be integrated with 3rd party OATH authentication system
- PSKC format seed code available
- Seed code stored with encryption and protection

## Easy to use and portable

- Simple one-click to generate the one-time-password
- Independent to end-user environment.
- No external connection is needed
- Zero software install at client side
- Minimum change to the existing password authentication system
- Secure, robust and long life hardware design

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LCD display with a countdown timing bar

Non-replaceable built-in battery

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One built-in button

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Secure Random Access Memory (RAM)

Unique token serial number

Onboard clock or event counter

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# The most stylish and handy hardware TOTP token

## Secure authentication

Hardware OTP tokens are the most reliable one-time password generators. One-time passwords are automatically generated without an internet or cellular network connection. This eliminates even the smallest chance of a one-time password being intercepted, or of the device being compromised by malware.

## Long service life

Protectimus Crystal OTP tokens are protected from dust and moisture, as well as from cyberattacks. The battery lasts for about 5 years — a significant advantage over competing TOTP tokens that shut off automatically after 2 years, requiring customers to buy new tokens regularly.

## Convenient, stylish design

The Protectimus Crystal TOTP token looks like a small key fob. The convenient design and rugged body let you carry the token right on your key chain. The best feature of this token, however, is the 6-digit display with large digits. The digits on the Protectimus Crystal's display are significantly larger than those on the Protectimus Two.

## The best choice for:

1. Corporate use with Protectimus multi-factor authentication service.
2. Corporate use if you can add the secret keys to the authentication system you use.

# Protectimus Crystal

**How to use**

1. Press the button, the One-Time-Password code will appear on the screen.

2. The screen may go off because the expiration of the OTP interval (i.e. 30 or 60 seconds), you can press the button again to generate a new code.

3. Input the code to the web page or application.

4. The screen will go off automatically once the code expires.

5. You can also close the screen by press the button.

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# White-Labeling and Delivery Options

Protectimus can offer a comprehensive white-label solution.
Depending on your preference, we can place your company's logo and other visual features on the device; you can also choose the color of your token. Producing customized tokens based on your specific requirements takes additional 3-4 weeks.

**Flexible customization options**
- Customizable 6 or 8 digits OTP
- Customizable Algorithm
- Customizable OTP lifetime
- Faceplate and serial number are customizable

Possibility of branding for orders of 1000+ pieces.

The price of tokens does not include shipping and delivery costs and other additional charges, such as taxes and customs duties.

Delivery times depend on several factors, in particular: lot/consignment size, token availability at our warehouse, and postal service. Besides, the delivery time will depend on whether additional visual features need to be placed on the products. Typically, if there is a sufficient quantity of products at the warehouse, orders are delivered within 2 to 6 weeks.

**How to buy?**
You can easily become a happy owner of this device. To place an order, please fill out the form, and our specialist will promptly contact you.