

TOTP Token

A time-based one-time-password product

OVERVIEW

Time based One Time Password (TOTP) tokens by Feitian provide users with a secure and stable device to regulate network log-on through a self-changing number password set by an onboard RTC (Real Time Clock) driven algorithm sequence. The OTP code moves in relation to the passing of time; the time centric process of FEITIAN TOTP Token supports a more dynamic and consistent rate of password generation than a system based on user event input which can remain stagnant for 1 minute, 1 week, or longer! Two-factor authentication with TOTP Token combines something you know, your username and password, with something you have, a unique number sequence generated through your secure FEITIAN TOTP Token, to greatly improve endpoint security.

More Than Meets the Eye

The addition of a large display LCD screen delivers a crisp and clear image of the number sequence, providing easily readable data output. This is a convenient feature for the elderly or those who might struggle to read a less presentable user interface. Compact and tamper resistant hardware casing, reinforced by glue injection, eliminates the possibility of damage from water and further protects the onboard clock against harsh temperature conditions to enable easy user storage and management of the module. Enhanced battery life makes FEITIAN TOTP Tokens a solid investment for years to come.

Front, Back, and Side to Side

FEITIAN TOTP Tokens are typically supported by the FEITIAN OTP Authentication System (FOAS) back end authentication server. FOAS delivers a complete solution to organizations of all sizes and orientations by streamlining all authentication operations, such as deployment, provisioning and maintenance, significantly reducing IT overhead. With the advanced security measures provided by the FEITIAN TOTP Token / Feitian FOAS platform organizations take an important step toward the development of user confidence in their brand. Administrators maintain full oversight of the integration of token based user activity with the management interface.

Adaptable Solution for a Secure Fit

Specifically engineered in accord with the standards of the Open Authentication (OATH) consortium Feitian TOTP Tokens can serve as a seamless hardware solution for any organization which maintains and operates a private OATH

compliant back end authentication server. Additionally Feitian offers a host of hardware OEM services, tailoring the token deployment to satisfy the particular requirements of any job. Unique faceplate, logo, and colour customizations are also available. For large scale projects the seed code can be generated and inserted into the token *on site* at the user's location.

BENEFITS

- **Sturdy Construction - Built to last**

Strong hardware casing reinforced with waterproof and tamper resistant glue protects the integrity and functionality of FEITIAN TOTP Token and its onboard clock from harsh temperature conditions and abuse.

- **Large screen display for clearly readability**

FEITIAN TOTP Token features a larger than average screen to provide a clear and distinct data output. This user friendly aspect adds value to the product and is particularly beneficial for elderly persons or individuals hard of sight.

- **Upgrade from weak and unstable fixed username/password systems with an OTP Token solution.**

Static username/password combinations are hardly considered a competent defense against the advanced and persistent threats posed by modern cyber criminals. Adopting a comprehensive TOTP security strategy protects your networks critical and sensitive data at its weakest and most accessible place- user endpoints.

- **Benefit from the cost effective Feitian pricing policy**

The expanded product lifecycle of Feitian TOTP and long duration onboard battery makes the average cost of ownership extremely low. With a highly competitive initial purchase the device can authentication a single user over many years with no additional charge, unlike mobile SMS based OTP.

- **Brand identity is important- custom tailor your solution to satisfy any requirement**

OATH compliant FEITIAN TOTP Token can be personalized or OEMed to meet the demands of any particular job or project. Available modifications include unique faceplate or logo detailing, distinctive colour schemes, and passwords ranging from six to eight digits in length.

FEATURES

- Strong two-factor authenticator through dynamic password technology
 - Unique password generated each time, password cannot be reused
 - Zero software install at client side
 - Zero footprint authentication
 - Minimum change to existed static password authentication system
- OATH compliant time-based TOTP device

- Compliant with OATH open algorithm
- Easy to be integrated with 3rd party OATH authentication system
- PSKC format seed code available
- Easy to use and portable
 - Simple one-click to generate the one-time-password
 - No PIN needed
 - Independent to end-user environment. No external connection is needed
 - Easy to carry on a key ring
- Single-button OTP hardware token
 - 8-character high contrast LCD display with a count-down timing bar
 - One built-in button
 - Onboard accurate Real Time Clock (RTC)
 - Non-replaceable built-in battery
 - Secure Random Access Memory (RAM)
 - Unique token serial number
- Secure, robust and long life hardware design
 - Battery lifetime expectancy 5 to 7 years
 - Seed code stored with encryption and protection
 - Tamper evidence
- Flexible customization options
 - Customizable 6 or 8 digits pass code
 - Customizable OTP refresh frequency (for time based algorithms)
 - Faceplate, casing color and serial number customizable
 - Customizable industrial and end-user packaging
- Support FOAS server
 - Standard Radius authentication service
 - Easy to integrate with a wide range of authentication and access gateway solutions
 - Centralized authentication and graphical management system
 - Stable performance under heavy duty environment

SPECIFICATION

Product Specification

User Interface	8-character high contrast LCD display Built-in button
Security Algorithms	OATH compliant time-based TOTP
Memory Type	Random Access Memory (RAM)
Endurance	More than 14,000 clicks

Battery Lifecycle	5 years
Power Consumption	Less than 0.01mW
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Humidity	5% ~ 90% without condensation
Physical Resistance	Tamper evident IP68 with glue injection (under evaluation)

Feature varies according to product model

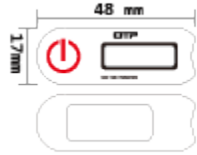
Casing Specification



Dimension	61.8mm x 28mm x 11.2mm
Weight	18g (No glue injection)
Colour	Grey
Material	ABS+PC
Serial Number	Barcode and serial number under back side faceplate
Customization	<ul style="list-style-type: none"> Customizable 6 or 8 digits pass code Faceplate text and color * Casing color * Serial number * Industrial and end-user packaging * <p>* Require minimum purchase volume</p>



Dimension	62mm x 29mm x 11mm
Weight	15g
Colour	Blue
Material	ABS+PC

Faceplate	
Serial Number	Barcode and serial number under back side faceplate
Customization	<p>Customizable 6 or 8 digits pass code</p> <p>Faceplate text and color *</p> <p>Casing color *</p> <p>Serial number *</p> <p>Industrial and end-user packaging *</p> <p><i>* Require minimum purchase volume</i></p>

Certification & Compliance

- OATH TOTP Compliant
- RoHS
- CE
- FCC
- WEEE