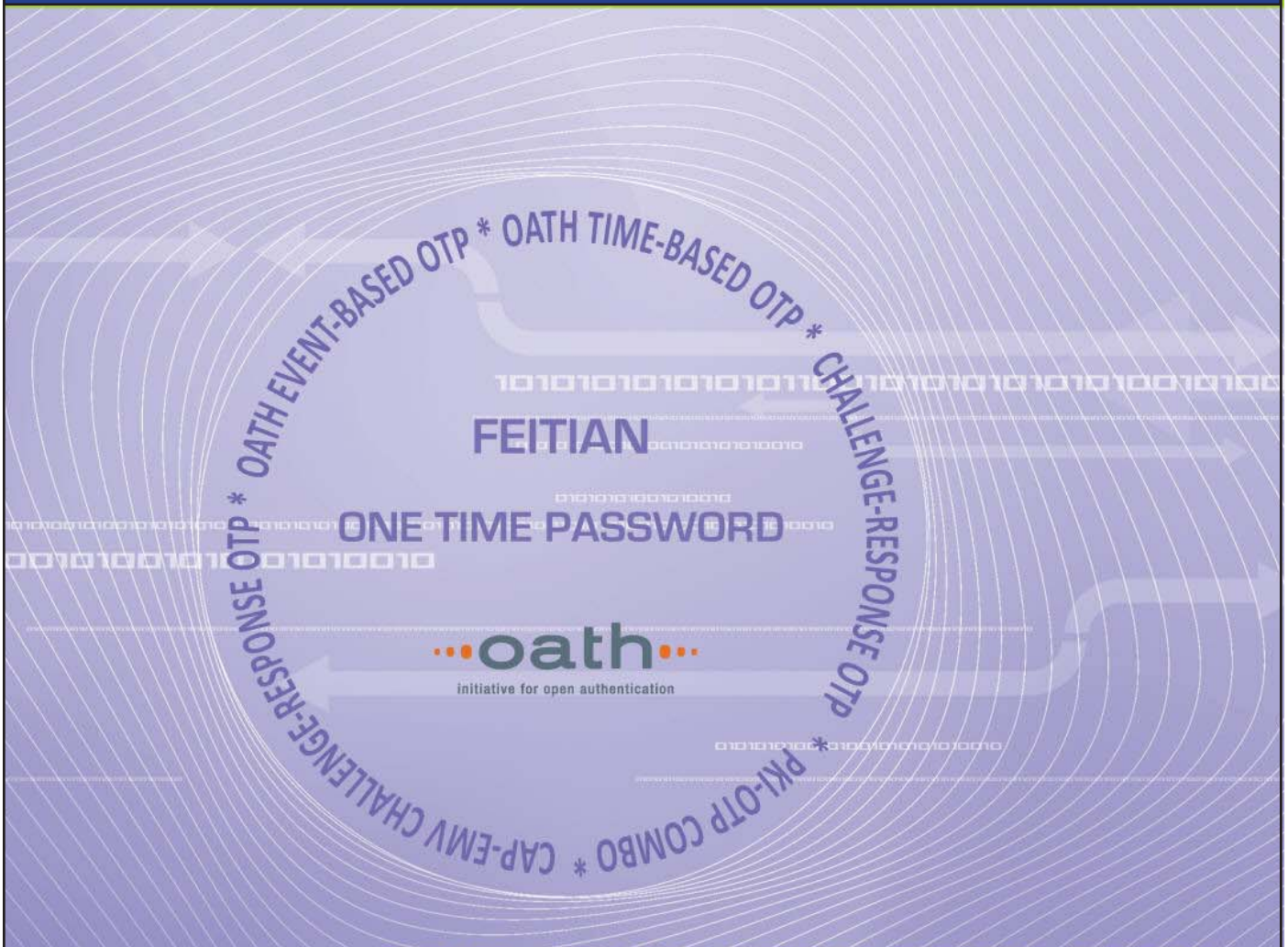


# Perico AS

## OTP Token Product Brochure



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# One Time Password Tokens

OTP C100.....**lowest cost** OATH compliant event-based OTP token.....1

OTP C200.....**Best choice** OATH compliant **time-based** OTP token.....2

OTP C300.....OATH compliant **challenger-response** OTP token.....3

OTP C400.....**high performance** PKI & OTP combo USB token .....4

OTP C500.....**CAP ready** OTP token for MasterCard’s chip authentication program.....5

OTP, abbreviated to One-Time Password, is referred to as strong authentication because it significantly prevents unauthorized access of sensitive information and restricted resources associated with both personal computer and enterprise network system. Comparing to traditional single-factor static password, the dynamic one-time passcode is required every time a user authenticates themselves, thus protecting against an intruder replaying an intercepted password, and providing a higher degree of security.

Feitian OTP tokens cover full-range types of One-Time Password method, event-synchronous, time-synchronous, and challenge-response, also the EMV CAP-based reader featuring One-Time-Password authentication for user and online transaction.

- Event-Based: uses a mathematical algorithm to generate a new password based on the previous.
- Time-Based: based on time-synchronization between the authentication server and the client providing the password.
- Challenge-Response: the new password is based on a challenge (e.g. a random number chosen by the authentication server or transaction details) and a counter instead of being based on the previous password.

Being an contributing member of OATH, Feitian OTP tokens are all OATH compliant.

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# OTP C100

**Lowest Cost OATH Compliant Event-Based OTP Token**

OTP C100 token enables strong authentication by positively identifying user with one-time passwords. Simply pressing the button OTP C100 generates a secure event synchronous one-time password, ensuring properly identification and allowing only authorized access to critical applications and sensitive data.

OTP C100 is a connectionless device offering user true zero-footprint authentication. OTP C100 complies with OATH standards in event-based authentication methods. It works with OTP authentication server as well as other 3rd remote access and network access devices, to provide best-of-breed solutions for security needs.



*Event Base*

## KEY FEATURES

### OTP C100 SPECIFICATION

ON-BOARD SECURITY ALGORITHM	OATH COMPLIANT EVENT-BASED
COMPONENT	BUILT-IN BUTTON
	8-CHARACTER LCD SCREEN
	GLOBALLY UNIQUE SERIAL NUMBER
HARDWARE CERTIFICATION	ROHS COMPLIANT
OPERATING TEMPERATURE	0 °C - 50 °C
STORAGE TEMPERATURE	-20 °C - 70 °C
WATER RESISTANCE CERTIFICATE	IP54 (INGRESS PROTECTION)
CASING	HARD MOLDED PLASTIC (ABS)
	TAMPER EVIDENT
KEY STORAGE FOR OTP SECURITY ALGORITHM	STATIC RANDOM ACCESS MEMORY (RAM)
MEMORY DATA RETENTION	STANDARD LITHIUM BATTERY
	BATTERY LIFETIME OF 3-5 YEARS
BATTERY LIFECYCLE	3-5 YEARS (14,000/CLICKS)
CUSTOMIZATION AVAILABILITY	CASING COLOR
	CUSTOMER LOGO
	FACEPLATE BRANDING

- Strong two-factor authenticator
- Unique password generated each time, cannot be duplicated
- Unique token serial number, cannot be reproduced
- Zero software install on client side
- Zero change for current user login method
- Zero footprint authentication, no physical connection needed
- Easy to be managed in both centralized and distributed way
- Compliant with OATH open algorithm, easy to be integrated with 3rd party authentication systems
- Support for a wide range of authentication and access gateway solutions

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# OTP C200

**Best Choice OATH Compliant Time-Based OTP Token**

OTP C200 token is a small key-chain like hardware authenticator offering user real mobility and flexibility. Simply pressing the button OTP C200 generates and displays secure one-time password every 60 seconds, ensuring proper identification and allowing only authenticated user with authorized access to critical applications and sensitive data.



**Time Base**

OTP C200 complies with IETF draft of time-based authentication methods, which was submitted by OATH providing compatibility with 3rd party software. OTP C200 token provides the cost-effective two-factor authentication for enterprises manage secure access to information in the global market.

## KEY FEATURES

- Strong two-factor authenticator
- Unique password each time on button click, cannot be duplicated
- Unique token serial number, cannot be reproduced
- Zero software install on client side
- Zero change for current user login method
- Zero footprint authentication, no connection needed
- Easy to be managed in both centralized and distributed way
- Compliant with OATH open algorithm, easy to be integrated with 3rd authentication system
- Support for a wide range of authentication and access gateway solutions



## OTP C200 SPECIFICATION

ON-BOARD SECURITY ALGORITHM	OATH COMPLIANT TIME-BASED
COMPONENT	BUILT-IN BUTTON 8-CHARACTER LCD SCREEN GLOBALLY UNIQUE SERIAL NUMBER
HARDWARE CERTIFICATION	ROHS COMPLIANT
OPERATING TEMPERATURE	0 °C - 50 °C
STORAGE TEMPERATURE	-20 °C - 70 °C
WATER RESISTANCE CERTIFICATE	IP54 (INGRESS PROTECTION)
CASING	HARD MOLDED PLASTIC (ABS) TAMPER EVIDENT
STORAGE FOR OTP ALGORITHM	STATIC RANDOM ACCESS MEMORY (RAM)
MEMORY DATA RETENTION	STANDARD LITHIUM BATTERY BATTERY LIFETIME OF 3-5 YEARS
BATTERY LIFECYCLE	3-5 YEARS (14,000/CLICKS)
CUSTOMIZATION AVAILABILITY	CASING COLOR CUSTOMER LOGO FACEPLATE BRANDING

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# OTP C300

**New!!! OATH Compliant Challenge-Response OTP Token**

OTP C300 token offers strong two-factor authentication with challenge-response capabilities in the token-not-present mode, which is the effective solution to the problem of vulnerability against hacking of man-in-the-middleware. Simply pressing the keypad user first input the correct Challenge phrase, which activates the OTP C300 token to generate Response and display the one-time password. And then user may enter the dynamic password into the Web-based form or network application to make secure authentication.

OTP C300 complies with OATH Challenge Response Algorithms (OCRA) to provide a real-time two-factor authentication. The high contrast LCD and larger keypad input make OTP C300 obtained more user satisfaction.



*image is for illustration purpose only*

**Challenge  
&  
Response**

## KEY FEATURES

- Strong two-factor authenticator
- Unique password each time generated, cannot be duplicated
- Unique token serial number, cannot be reproduced
- Zero software installation on client side
- Zero change for current user login method
- Zero footprint authentication, no connection needed
- Easy to be managed in both centralized and distributed way
- Compliant with OATH open algorithm, easy to be integrated with 3rd authentication system
- Support for a wide range of authentication and access gateway solutions

## OTP C300 SPECIFICATION

ON-BOARD SECURITY ALGORITHM	OATH COMPLIANT OCRA
COMPONENT	BUILT-IN BUTTON LARGE KEY PAD HIGH CONTRAST LCD SCREEN GLOBALLY UNIQUE SERIAL NUMBER
HARDWARE CERTIFICATION	ROHS COMPLIANT
OPERATING TEMPERATURE	0 °C - 50 °C
STORAGE TEMPERATURE	-20 °C - 70 °C
WATER RESISTANCE CERTIFICATE	IP54 (INGRESS PROTECTION)
CASING	HARD MOLDED PLASTIC (PC) TAMPER EVIDENT
STORAGE FOR OTP ALGORITHM	STATIC RANDOM ACCESS MEMORY (RAM)
MEMORY DATA RETENTION	STANDARD LITHIUM BATTERY BATTERY LIFETIME OF 3-5 YEARS
BATTERY LIFECYCLE	3 YEARS (10,000/CLICKS)
CUSTOMIZATION AVAILABILITY	CASING COLOR CUSTOMER LOGO FACEPLATE BRANDING

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# OTP C400

## High Performance PKI & OTP Combo USB Token

OTP C400 is the combo hardware authenticator with built-in USB driverless connector and smart card chip. It offers the enhanced trust solution through the integration of one-time password and well-established PKI functionality. OTP C400 can be used to generate event-based One-Time password at offline mode, as well as provide secure storage for credentials and digital certificates when connected in PKI environment.

OTP C400 adheres to the OATH standard HOTP algorithms, and takes full advantage of the security with RSA encryption mechanism.

### KEY FEATURES

- Best-of-breed solution for strong authentication, secure transaction and data protection
- Offer significant benefits to organizations where mitigation of risk and issues of liability are major concerns
- Provide customers with an integrated product suite to rapidly implement comprehensive, easily managed security solutions based on specific needs.



**PKI + OTP**

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### OTP C400 SPECIFICATION

ONLINE-MODE PKI APPLICATION	
OPERATING SYSTEMS	WINDOWS 2000/XP/SERVER 2003/VISTA/ VISTA/SERVER 2008 UNIX / LINUX / SOLARIS
CRYPTOGRAPHIC APIS	PKCS #11 V2.01 MICROSOFT CAPI PC/SC ISO 7816 COMPLIANT
CRYPTOGRAPHIC FUNCTIONS	ASYMMETRIC KEY – RSA SYMMETRIC KEY – DES, 3DES DIGITAL SIGNING – RSA HASH DIGEST – SHA -1
MEMORY SIZE	32KBYTE
USB CONNECTION	USB1.1 AND USB2.0 (TYPE A)
OFFLINE-MODE OTP APPLICATION	
ON-BOARD SECURITY ALGORITHM	OATH COMPLIANT EVENT-BASED
AUTHENTICATION STANDARD	RADIUS
HARDWARE COMPONENTS	
COMPONENT	BUILT-IN BUTTON 8-CHARACTER LCD SCREEN GLOBALLY UNIQUE SERIAL NUMBER
HARDWARE CERTIFICATION	ROHS COMPLIANT
OPERATING TEMPERATURE	0 °C - 50 °C
STORAGE TEMPERATURE	-20 °C - 70 °C
WATER RESISTANCE CERTIFICATE	IP54 (INGRESS PROTECTION)
CASING	HARD MOLDED PLASTIC (PC) TAMPER EVIDENT
STORAGE FOR OTP ALGORITHM	STATIC RANDOM ACCESS MEMORY (RAM)
MEMORY DATA RETENTION	STANDARD LITHIUM BATTERY BATTERY LIFETIME OF 3-5 YEARS
BATTERY LIFECYCLE	3 YEARS (10,000/CLICKS)
CUSTOMIZATION AVAILABILITY	CASING COLOR CUSTOMER LOGO FACEPLATE BRANDING

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# OTP C500

**CAP Ready OTP**

**MasterCard's chip authentication program**

OTP C500 is a compact, completely standalone, low-cost, handheld smart card reader that contains a numeric keypad and a large LCD display. It manages not only One-Time password but Challenge - Response and Transaction Data Signing. Certified with stringent international standards as MasterCard Card Authentication Program (CAP) and Europay Mastercard Visa (EMV), you may use OTP C500 in various payment and bank applications with secure assurance.

OTP C500 Smartcard Reader contributes in a compact and enhanced way to be used in both online and offline mode, taking full advantage of EMV-CAP validation and Challenge-Response process.

By leveraging Two-factor authentication, the cardholder inserts the EMV payment card in the OTP C500 and enters the Personal Identification Number (PIN) via the keyboard, thus making all transaction data invulnerable to attack. After that, a dynamic One-Time password is generated and showed on the OTP C500 LCD. Cardholder can then use this password to identify himself at and to sign online transactions with the EMV-compliant certification.

## KEY FEATURES

### OTP C500 SPECIFICATION

ONLINE-MODE TRANSACTION	
STANDARD COMPLIANT	MASTERCARD CAP (CHIP AUTHENTICATION PROGRAM) EMV LEVEL 2
OFFLINE-MODE OTP APPLICATION	
ON-BOARD SECURITY ALGORITHM	OATH CHALLENGE-RESPONSE ALGORITHM (OCRA)
AUTHENTICATION STANDARD	RADIUS
HARDWARE COMPONENTS	
COMPONENT	BUILT-IN KEYPAD (16 KEYS) HIGH CONTRAST LCD SCREEN GLOBALLY UNIQUE SERIAL NUMBER
HARDWARE CERTIFICATION	ROHS COMPLIANT
OPERATING TEMPERATURE	0 °C - 50 °C
STORAGE TEMPERATURE	-20 °C - 70 °C
WATER RESISTANCE CERTIFICATE	IP54 (INGRESS PROTECTION)
CASING	HARD MOLDED PLASTIC (PC) TAMPER EVIDENT
BATTERY LIFECYCLE	USER REPLACEABLE BATTERIES
CUSTOMIZATION AVAILABILITY	CASING COLOR CUSTOMER LOGO FACEPLATE BRANDING

- Compliant with industry standards – MasterCard CAP for any EMV payment card
- Easy and straightforward installation with device Plug and Play
- Secure PIN protection with built-in Keypad
- Compact design and user friendly interface
- Replaceable batteries extend the reader service life cycle



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