DATA SHEET

FortiToken™ One-Time Password Token

Mobile (FTM) One-Time Password (OTP) Application with Push Notification
Hardware Token Time-Based OTP Form-Factors: FTK-200, FTK-200CD and FTK-220

Overview

Fortinet's FortiToken Mobile (FTM) and hardware OTP Tokens (FTK-200, FTK-200CD and FTK-220) are fully integrated with FortiClient, protected by FortiGuard and leverage direct management and use within the FortiGate and FortiAuthenticator security platforms. Secure your network with Fortinet's easy-to-manage, easy-to-use Two-Factor Authentication solutions.

PRODUCT OFFERINGS

FortiToken Mobile

FortiToken Mobile is an OATH compliant OTP generator application for the mobile device supporting both time-based (TOTP) and event-based (HOTP) tokens.

FortiToken 200/200CD

FortiToken 200 is part of Fortinet's broad and flexible two-factor authentication offering. It is an OATH compliant, TOTP. It is a small, keychain-sized device that offers real mobility and flexibility for the end-user.

There is no client software to install; simply press the button and the FortiToken 200 generates and displays a secure one-time password every 60 seconds to verify user identity for access to critical networks and applications. The big LCD screen of the rugged FortiToken 200 is much easier to read than other OTP tokens and there is an indicator on the screen displaying the time left until the next OTP generation. FortiToken 200CD tokens are shipped with an encrypted activation CD for the ultimate in OTP token seed security.

FortiToken 220

The FortiToken 220 OTP token is a mini credit card form factor token. The card is shipped with a precut hole for key ring application. Its sleek and slim design fits neatly into your wallet.

HIGHLIGHTS

Strong Authentication at your Fingertips

It is the client component of Fortinet's highly secure, simple to use and administer, and extremely cost effective two-factor solution for meeting your strong authentication needs. This application makes your Android, iOS and Windows mobile devices behave like a hardware-based OTP token without the hassles of having to carry yet another device. Push notification allows you to view login details on your mobile device to approve or deny with one tap.

Alternatively, you can deploy hardware-based OTP token to prevent users' passwords from stolen, phishing, dictionary and brute-force attacks.

Leverage Existing Fortinet Platforms

Besides offering out-of-the-box interoperability with any time-based OATH compliant authentication server, such as the FortiAuthenticator™ from Fortinet, the FortiToken can also be used directly with the FortiGate® consolidated security platform, including High Availability configurations.

FortiGate has an integrated authentication server for validating the OTP as the second authentication factor for SSL VPN, IPsecVPN, Captive Portal and Administrative login, thereby eliminating the need for the external RADIUS server ordinarily required when implementing two-factor solutions.

Ultra-Secure Token Provisioning

What makes FortiToken mobile OTP application superior to others on the market is that while being simple to use for the end user, and easy to administer and provision for the system administrator, it is actually more secure than the conventional hard token. The token seeds are generated dynamically, minimizing online exposure. Binding the token to the device is enforced and the seeds are always encrypted at rest and in motion.

Online Activation with FortiGuard®

You can activate your FortiToken tokens online directly from FortiGate or FortiAuthenticator using the FortiGuard® Center, which maintains your token seeds in a managed service repository. Once the seeds are activated, they can no longer be accessed from FortiGuard,ensuring that your seeds are safe from compromise. Alternatively, Fortinet also offers an encrypted activation CD solution.

Privacy and Control

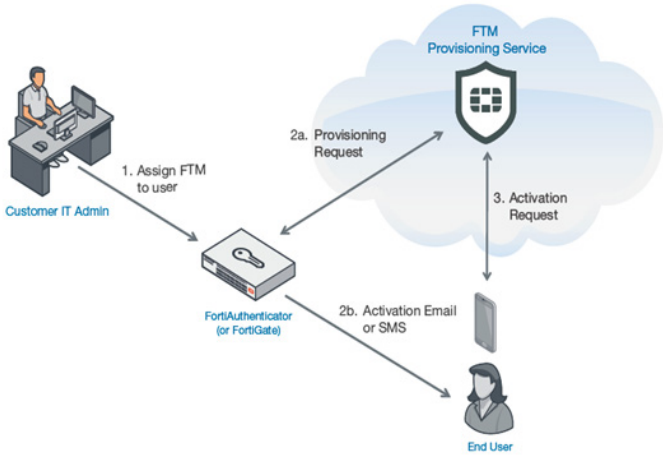
FortiToken Mobile cannot change settings on your phone, take pictures or video, record or transmit audio, nor can it read or sendemails. Further, it cannot see your browser history, and it requires your permission to send you notifications or to change any settings.

And, FortiToken Mobile cannot remotely wipe your phone. Any visibility FortiToken Mobile requires is to verify your OS version to determine app version compatibility. While FortiToken Mobile cannot change any settings without your permission, the following permissions are relevant to FortiToken Mobile operations:

- Access to camera for scanning QR codes for easy token activation
- TouchID/FaceID: used for app security, respectively
- Access to the Internet for communication to activate tokens and receive push notifications
- "Send Feedback by Email", to automatically populate the "Sender" field
- nternally share files between applications to prepare an attachment to be sent by email for "Send Feedback by Email"
- FortiToken must keep the phone awake while it is upgrading the internal database to avoid data corruption

ADVANTAGES

- Unique token provisioning service via FortiGuard™ minimizes provisioning overhead and ensures maximum seed security
- Perpetual token license and unlimited device transfers eliminate annual subscription fees
- Scalable solution leveraging existing end-user devices offers low entry cost and TCO
- Reduces costs and complexity by using your existing FortiGate as the two-factor authentication server
- Zero footprint solution



MAIN FEATURES

FortiToken Mobile

- OATH time- and event-based OTP generator
- Login details pushed to phone for one-tap approval
- Patented Cross Platform Token Transfer
- PIN/Fingerprint protected application
- Copy OTP to the clipboard
- OTP time interval display
- Serial Number display
- Token and app management
- Self-erase brute-force protection
- Apple watch compatibility

FortiToken Hardware Devices

- Integrated with FortiClient™ and protected by FortiGuard
- OATH TOTP compliant
- Large, easy-to-read, LCD display
- Long-life Lithium battery
- Tamper-resistant/tamper-evident packaging

SUPPORTED PLATFORMS

FortiToken Mobile

- OATH time- and event-based OTP generator
- Login details pushed to phone for one-tap approval
- iOS (iPhone, iPod Touch, iPad), Android, Windows Phone 8, 8.1, Windows 10 and Windows Universal Platform
- WiFi-only devices supported (for over-the-air token activation)

FortiToken Hardware Devices

- FortiOS 4.3 and up
- FortiAuthenticator — all versions

Specifications

	FORTITOKEN 200/200CD	FORTITOKEN 220
Onboard Security Algorithm	OATH-TOTP (RFC6238)	OATH-TOTP (RFC6238)
OTP Spec	60 seconds, SHA-1	60 seconds, SHA-1
Component	6-digit high contrast LCD display	Built-in button, 6-character LCD screen, Globally unique serial number
Dimensions (Length x Width x Height)	61.5 x 27.5 x 11.5mm	68 x 38 x 1 mm
Hardware Certification	RoHS Compliant	RoHS, CE, FCC (certificates pending)
Operating Temperature	14–122°F (-10–50°C	32–122°F (0–50°C)
Storage Temperature	-4–158°F (-20–70°C)	14–140°F (-10–60°C)
Water-Resistant	IP54 (Ingress Protection)	IP54 (Ingress Protection)
Casing	Hard Molded Plastic (ABS) Tamper-Evident	Hard Molded Plastic (ABS) Tamper-Evident
Secure Storage Medium	Static RAM	Static RAM
Battery Type	Standard Lithium Battery	Standard Lithium Battery
Battery Lifetime	3–5 Years	3–5 Years
Customization Available*	Casing Color, Company Logo, Faceplate Branding	Casing Color, Company Logo, Faceplate Branding

* Customizations are quantity-based

	FORTITOKEN MOBILE
Onboard Security Algorithm	OATH time and event based OTP generator
OTP Spec	RFC 6238, RFC 4226
Supported Platforms	iOS (iPhone, iPod Touch, iPad, iWatch), Android, Windows Phone 8/8.1, Windows 10 and Windows Universal Platform
Over-the-Air Token Activation	WiFi-only devices supported
One-Tap Approval	Login details pushed to phone
PIN/Fingerprint/Facial Security	✓
Serial Number Display	✓
Token and App Management	✓
Self-Erase Brute-Force Protection	✓

PLATFORM SCALABILITY

FortiToken scalability for specific platforms can be found in the Fortinet Product Matrix located at http://www.fortinet.com/sites/default/files/productdatasheets/Fortinet_Product_Matrix.pdf

Order Information

Product	SKU	Description
FortiToken Software License Key	FTM-ELIC-5	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 5 users. Electronic licence certificate.
	FTM-ELIC-10	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 10 users. Electronic licence certificate.
	FTM-ELIC-20	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 20 users. Electronic licence certificate.
	FTM-ELIC-50	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 50 users. Electronic licence certificate.
	FTM-ELIC-100	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 100 users. Electronic licence certificate.
	FTM-ELIC-200	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 200 users. Electronic licence certificate.
	FTM-ELIC-500	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 500 users. Electronic licence certificate.
	FTM-ELIC-1000	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 1000 users. Electronic licence certificate.
	FTM-ELIC-2000	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 2000 users. Electronic licence certificate.
	FTM-ELIC-5000	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 5000 users. Electronic licence certificate.
	FTM-ELIC-10000	Software one-time password tokens for iOS, Android and Windows Phone mobile devices. Perpetual licenses for 10000 users. Electronic licence certificate.
FortiToken 200	FTK-200-5	5 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-10	10 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-20	20 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-50	50 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-100	100 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-200	200 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-500	500 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-1000	1000 pieces, one-time passwork token, time-based password generator. Perpetual license.
	FTK-200-2000	2000 pieces, one-time passwork token, time-based password generator. Perpetual license.
FortiToken 200CD	FTK-200CD-10	FortiToken OTP hardware generator shipped with CD containing encrypted seed file — 10-pack.
	FTK-200CD-20	20 pieces one-time password token, time-based password generator shipped with encrypted seed file on CD. Perpetual license.
	FTK-200CD-50	FortiToken OTP hardware generator shipped with CD containing encrypted seed file — 50-pack.
	FTK-200CD-100	FortiToken OTP hardware generator shipped with CD containing encrypted seed file — 100-pack.
FortiToken 220	FTK-220-5	5 pieces, one-time password token, time-based password generator. Perpetual license.
	FTK-220-10	10 pieces, one-time password token, time-based password generator. Perpetual license.
	FTK-220-20	20 pieces, one-time password token, time-based password generator. Perpetual license.
	FTK-220-50	50 pieces, one-time password token, time-based password generator. Perpetual license.
	FTK-220-100	100 pieces, one-time password token, time-based password generator. Perpetual license.

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DATA SHEET

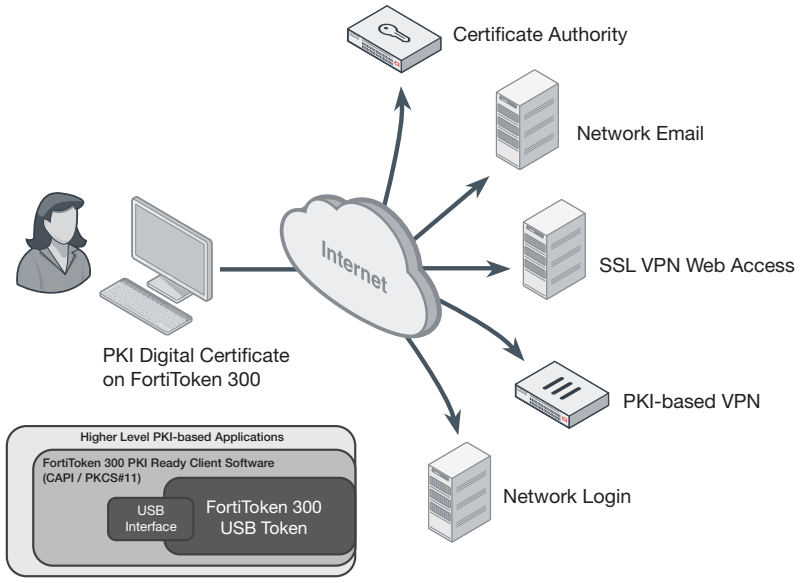
FortiToken™ 300

One-Time Password Token

The FortiToken 300 product is comprised of a hardware token (FortiToken 300 PKI USB token) with a chip operating system that resides on the smart card chip of the token, and a security client software application (works only with FortiToken 300).

Strong Authentication at your Fingertips

Each FortiToken 300 PKI USB token is a hardware-security-module for authentication and cryptographic applications based on Microsoft CAPI* and PKCS#11**.



Highlights

- Driverless USB device
- High-performance smart card chip
- FIPS140-2 Level 3 Certified
- Windows, Linux and MacOS supported
- MS-CAPI and PKCS#11 APIs supported
- Onboard random number generator
- Onboard RSA, AES, DES/3DES, SHA-1, SHA-256 algorithms approved by NIST FIPS CAVP
- Economical PKI authenticator
- Perpetual license
- Tamper evident hardware USB Token
- Easy integration with various

*CAPI: Cryptographic Application Programming Interface.
**PKCS#11: Public-Key Cryptography Standards #11 v2.20, Cryptographic Token Interface Standard.

Specifications

FORTITOKEN 300	
Supported Operating System	32-bit and 64-bit Windows XP SP3, Server2003, Vista, Server2008, 7, 8, 10, Server2012, 8.1 32-bit and 64-bit Linux MAC OS X
Middleware	Windows middleware for Windows CSP Direct-called library for PKCS#11 under Windows, Linux and MAC
Standards	X.509 v3 Certificate Storage, SSL v3, IPSec, ISO 7816 1-4 8 9 12, CCID
Cryptographic Algorithms	RSA 512/1024/RSA 2048 bit ECDSA 192/256 bit DES/3DES AES 128/192/256 bit SHA-1 / SHA-256
Cryptographic Functions	Onboard key pair generation Onboard digital signature and verification Onboard data encryption and decryption
Cryptographic APIs	Microsoft Crypto API (CAPI), Cryptography API: Next Generation (CNG) PKCS#11 PC/SC
Processor	16-bit smart card chip (Common Criteria EAL 5+ certified)
Memory Space	64KB (EEPROM)
Endurance	At least 500,000 write/erase cycles
Data Retention	More than 10 years
Connectivity	USB 2.0 full speed, Connector type A
Interface	ISO 7816 CCID
Power Consumption	Less than 250 mW
Operating Temperature	0–70°C (32–158°F)
Storage Temperature	-20–85°C (-4–185°F)
Humidity	0–100% without condensation
Water Resistance	IPX8 with glue injection (under evaluation)

PLATFORM SCALABILITY
FortiToken scalability for specific platforms can be found in the Fortinet Product Matrix located at **http://www.fortinet.com/sites/default/files/productdatasheets/Fortinet_Product_Matrix.pdf**

Order Information

Product	SKU	Description
FortiToken 300	FTK-300-5	5 USB tokens for PKI certificate and client software. Perpetual license.
	FTK-300-10	10 USB tokens for PKI certificate and client software. Perpetual license.
	FTK-300-20	20 USB tokens for PKI certificate and client software. Perpetual license.
	FTK-300-50	50 USB tokens for PKI certificate and client software. Perpetual license.
	FTK-300-200	200 USB tokens for PKI certificate and client software. Perpetual license.

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