DATA SHEET

FortiToken™ 300

Available in:

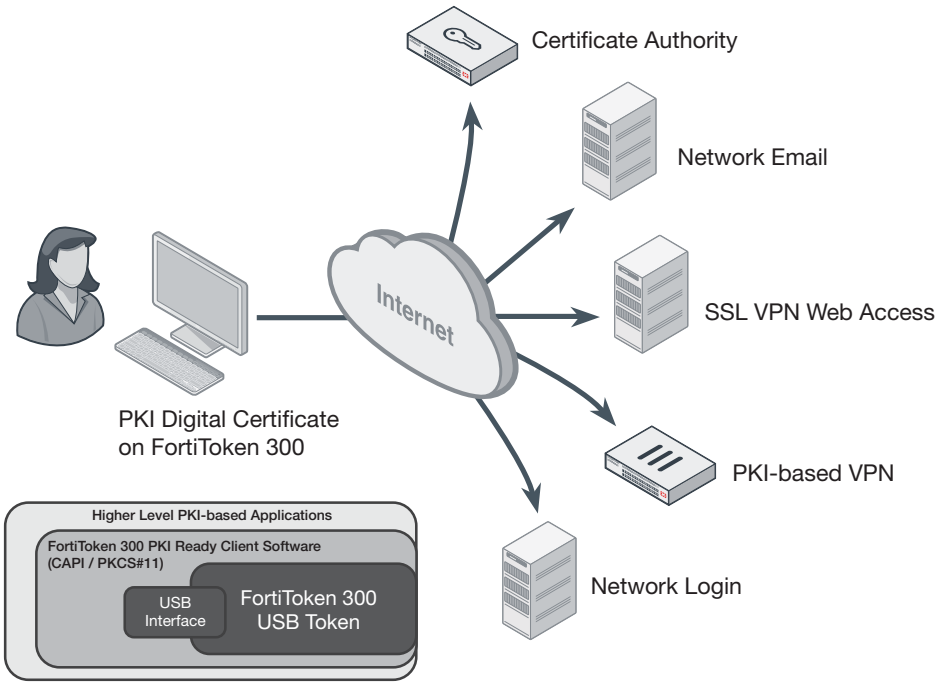
Cloud

384629

Versatile Secure Digital Certificate Storage and Usage

FortiToken 300 is a Smart Card USB token that is a USB-interfaced device offering a variety of security capabilities including certificate-based public key infrastructure (PKI) authentication, digital signing, encrypting/decrypting files such as emails and documents, VPN client authentication, and more.

In digital certificate-based PKI applications, private keys play an important role in asymmetric cryptography. The FortiToken 300 is a high-security PKI based token that ensures private keys are generated, stored and used internally in a secure chip, meaning the keys are never at risk of being stolen. The FortiToken 300 token is FIPS 140-2 validated and fully certified to ensure this level of protection meets the highest standards. The FortiToken 300 token is a USB-interfaced device that requires no drivers (i.e., driverless) for most operating system (OS) including Windows, macOS, and Linux. It is natively recognized by the OS, making it easy to use with no plugins necessary. Cryptographic Applications can be authenticated with the FortiToken 300 token based on Microsoft Cryptographic Application Programming Interface (CAPI)* and Public-Key Cryptography Standards (PKCS) #11**.



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

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 Smart Card
- Perpetual license
- Tamper-evident hardware USB Token
- Easy integration with PKI infrastructure

SPECIFICATIONS

	FORTITOKEN 300
Supported Operating System	32-bit and 64-bit Windows, Linux and MacOS
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 2048 bit ECDSA P-256 w/ SHA-256 AES 128/192/256 bit SHA-1, SHA-256, SHA-384, SHA-512
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	32-bit smart card chip
Memory Space	64 KB (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
Certifications	FIPS 140-2 Level 3, CE, FCC, UKCA,ICES

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.

FORTINET

www.fortinet.com

Copyright © 2022 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.

Fortinet is committed to driving progress and sustainability for all through cybersecurity, with respect for human rights and ethical business practices, making possible a digital world you can always trust. You represent and warrant to Fortinet that you will not use Fortinet's products and services to engage in, or support in any way, violations or abuses of human rights, including those involving illegal censorship, surveillance, detention, or excessive use of force. Users of Fortinet products are required to comply with the Fortinet EULA (https://www.fortinet.com/content/dam/fortinet/assets/legal/EULA.pdf) and report any suspected violations of the EULA via the procedures outlined in the Fortinet Whistleblower Policy (https://secure.ethicspoint.com/domain/media/en/gui/19775/Whistleblower_Policy.pdf).