FORTINET

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**.

Certificate Authority

Network Email

SSL VPN Web Access

Internet

PKI-based VPN

PKI Digital Certificate on FortiToken 300

Network Login

Higher Level PKI-based Applications

FortiToken 300 PKI Ready Client Software (CAPI / PKCS#11)

USB Interface

FortiToken 300 USB Token

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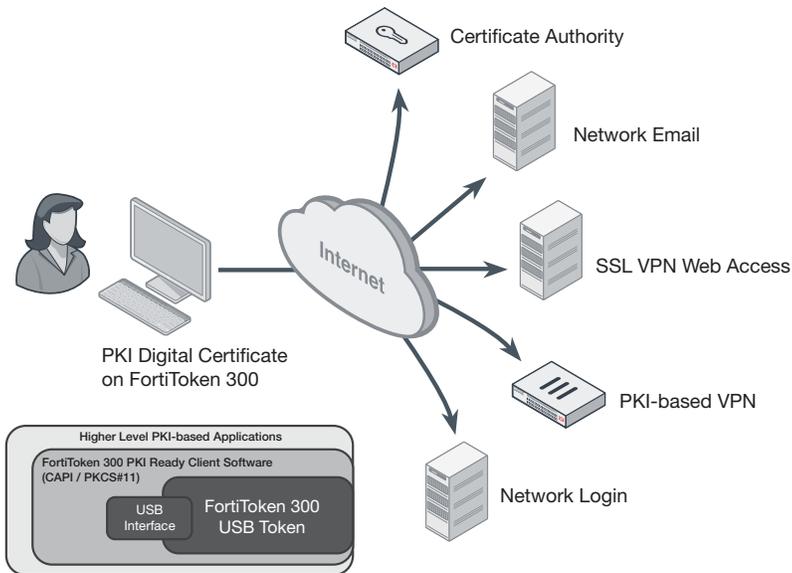
*CAPI: Cryptographic Application Programming Interface.
**PKCS#11: Public-Key Cryptography Standards #11 v2.20, Cryptographic Token Interface Standard.

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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