

HYPERPKI™

HYP2003 STANDARD

HYP-2003F-A1+ DATASHEET

OVERVIEW

- Built-in high performance secure smart card chip (EAL 5+ certified)
- Onboard RSA, AES, DES/3DES, SHA-1, SHA-256 algorithms approved by NIST's Cryptographic Algorithm Validation Program (CAVP) for FIPS 140-2 Level 2 and Level 3 certification
- Reliable middleware supports multiple operating systems
- Tamper-evident hardware available (optional)
- Simple integration with various PKI applications



Dimensions (mm): 53 x 16.5 x 8.5

Weight (g): 6

OPERATING INFO

Supported OS

- Windows XP/Vista/7/8/8.1 x64/x86
- Windows Server 2003/2008 x64/x86
- Linux x64/x86
- Mac OS X

Storage Temperatures

- -20 - 85°C

Operating Temperatures

- 0 - 70°C

Hardware Interface

- USB 2.0 Type A Connector

Middleware

- Microsoft Windows MiniDriver
- HyperPKI CSP for Windows
- HyperPKI PKCS#11 library for Windows, Linux and Mac

SPECIFICATIONS

PHYSICAL PARAMETERS

User Memory

- 64 KB EEPROM

Connectivity

- CCID, ISO/IEC 7816

Data Retention

- More than 10 years

CRYPTOGRAPHIC ALGORITHMS

Asymmetric Key

- ECDSA 192/256-bit
- RSA 512/1024/2048-bit

Symmetric Key

- DES/3DES
- AES 128/192/256-bit

Digest

- SHA-1/SHA-256

STANDARDS

Digital Certificate

- x.509 v3 Certificate Storage
- SSL v3
- IPSec
- ISO/IEC 7815 1-4 8 9 12
- CCID

API Standards

- Microsoft CryptoAPI (CAPI)
- Cryptography API: Next Generation (CNG)
- Microsoft Smart Card MiniDriver

CERTIFICATIONS

- FIPS 140-2 Level 3
- ICP Brasil
- Common Criteria EAL 5+ (chip-level)
- Microsoft WHQL
- Linux PCSC-Lite/LibCCID
- Check Point
- Entrust Ready
- FCC/CE
- RoHS
- USB