

SM-Biopass PKI Token



Simplify PKI token deployment as to achieve
excellent user experiences.

SM-Biopass PKI Token is the latest innovation by Securemetric Technology is designed to integrate all critical token management functionalities and certificate lifecycle to the middleware level without interaction with web browsers. In addition to that, almost every PKI processes can now be automated without heavily involving end users.



Typical PKI Problems can now be solved with SM-Biopass PKI Token:



Supporting

- **Difficulty on supporting multiple platform**
The SM-Biopass PKI Token online installer can now cross-platform supporting Windows, Linux & Mac without breaking a sweat.



User PIN/
Fingerprint

- **Forgetting Token User PIN after long holiday which resulted a tedious unblocking process or even sending the physical token back to the provider**
SM-Biopass PKI Token support fingerprint authentication. It will use User PIN if fingerprint is not being set.
Registration and Management of user fingerprints must be confirmed by user Admin (SO PIN).
Token User PIN Unblocking mechanism from SM-Biopass PKI Token not only simplifies the PIN Unblocking process, but also allowing end users to perform such function remotely.



Enrollment

- **Tedious Certificate Enrollment Process via Online Enrollment Portal**
Certificate Enrollment via SM-Biopass PKI Token eliminates the need of data entry from end user side with the end user only needs to verify necessary information before certificate enrollment take place.



Renewal

- **Tedious Certificate Renewal Process via Online Renewal Portal**

Auto Renewal is supported by SM-Biopass PKI Token with even the possibility of using pre-configured renewal policy. Fully automated renewal is also possible.



Troubleshooting

- **Technical Troubleshooting especially for non-IT background users**

Diagnostic tool in the SM-Biopass PKI Token is ready to provide revolutionary way of troubleshooting where most common problems can be resolved by the tool without even dialing the technical support number. In the event where further technical support is needed, this tool can produce a report which can be very useful for technical support to analyze the problem



Operate

- **Annoying ActiveX/ Java Applet Components**

Forget these web application components. The SM-Biopass PKI Token can operate with full token and certificate functions without using any of these annoying components that requires client side installation and difficult to support.

Chip Security Level	Secure Microprocessor Smart Chip
Processor	16-bit
Interface	ISO7816, CCID
Card Operating System	SecureCOS
Memory Size	64K Memory space, 48K Chip memory accessible to the user (can store 84psc fingerprint)
API & Standard Support	PKCS#11 Cryptographic Service Provider (CSP) Microsoft Smart Card Minidriver (Card Module)
Windows Smart Card Logon	YES
Certificate Storage	Up to 16 (X.509 v3 Digital Certificate)
On-Board Security Algorithms	RSA 1024/2048 bit, ECDSA 256 bit DES/3DES, AES 128/192/256 bit SHA-1/SHA-2
Dimension	43mm x 30mm x 10mm
Certification	CE, FCC, FIPS 140-2 Level 3 Certified
Weight	7g
Part Number	SM-TK-BP2K-2003
Power Dissipation	< 250 mW
Operating Temperature	0 °C ~ 70 °C (32 °F ~ 158 °F)
Storage Temperature	-20 °C ~ 85 °C (-4 °F ~ 185 °F)
Humidity Rating	0 to 100% without condensation
Connector Type	USB 1.1/ 2.0/ 3.0 Connectivity Compliance
Casing	Hard Molded Plastic, Tamper Prove (Optional), RoHS compliance
Memory Cell Rewrites	At least 500,000 write/ erase cycles
Memory Data Retention	At least 10 years
Standards	X.509 v3 Certificate Storage, SSL v3, IPsec, ISO 7816 1-4 8 9 12, CCID
Supported Operating Systems	Windows Server 2000 /2003 / 2008 (32-bit, 64-bit) Windows XP / 7 / 8 / 10 (32-bit, 64-bit) Linux (32-bit, 64-bit) Mac OS X
Token/Smart Card Management System	Included
Originated from	Malaysia (<i>including chipset from Germany/US/France/ Philippines/Indonesia/India/Singapore/Malaysia</i>)



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