

SecureMetric Technology



Simplify PKI token deployment as to achieve

excellent user experiences.

ST3 ACE is aimed to be bundled with SecureMetric's patterned advanced SecureTMS client components that in order to simplify PKI token deployment as to achieve excellent user experiences.

The key challenge for most PKI implementation is user experience management, this usually considered as one of the key success factor. If the user needs to go through all the tedious PKI processes without proper, the chances to encounter strong user resistant will be very likely. A great PKI implementation should come with well designed user friendly approach to simplify PKI processes as much as possible while still complying to the set security policies.



ST3 Ace 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.

Implementation of ST3 Ace will only require backend integration to existing Registration Authority (RA) software with internet/ intranet connectivity between end users and the RA software.

Typical PKI problems can now be solved with ST3 Ace:



Supporting

- **Difficulty on supporting multiple platform**
The ST3 Ace online installer can now cross-platform supporting Windows, Linux & Mac without breaking a sweat.



Unlocking

- **Forgetting Token User PIN after long holiday which resulted a tedious unblocking process or even sending the physical token back to the provider**
Secure Token User PIN Unblocking mechanism from ST3 Ace not only simplifies the PIN Unblocking process, but also allowing end users to perform such function remotely.

- **Tedious Certificate Enrollment Process via Online Enrollment Portal**
Certificate Enrollment via ST3 Ace eliminates the



Enrollment

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 ST3 Ace 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 ST3 Ace 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 ST3 Ace can operate with full token and certificate functions without using any of these annoying components that requires client side installation and difficult to support.

ST3 Ace		
Model	ST3I Ace (Obselete)	ST3H Ace
Chip Security Level	Secure Microprocessor Smart Chip based with PBOC, CFCA, certified CCEALS+	Hongsi HS32
Processor	16-bit	
Interface	CCID	
Memory Size	128k (64K for User) on Smart Chip 2MB for Flash	64KB
Card Operating System	SecureCOS	
Middleware	Microsoft CSP/CNG, Minidriver, PKCS#11	
Windows Smart Card Logon	YES	
Certificate Storage	Up to 16 (X.509 v3 Digital Certificate)	
On-Board Security Algorithms	RSA 1024/2048 bit, ECDSA 192/256, DES/3DES, AES 128/192/256 bit, SHA1 / SHA256 / SHA384	
Dimension	59mm x 18mm x 9mm	
Certification	CE, FCC, MYCC Level 2, FIPS 140-2 Level 3	
Weight	5g	
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 2.0 full speed, Connector type A	
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, LINUX and Mac	



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