

## Bloombase Spitfire Recovery Key



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### Features

#### Secure Recovery Delegation

Empowers secure execution of Spitfire Server recovery to trusted operators by a quorum of recovery managers

#### True Segregation of Duty

Spitfire Recovery Keys form a quorum of multiple factor(s) for restoration of Spitfire configurations archives at maximum security in worst case scenario of disaster recovery or the need for cloning Spitfire Servers

#### Tamper-proof and Tamper-evident

Bloombase Spitfire Recovery Key is built on NIST FIPS 140 validated hardware cryptographic module with tamper-proof and tamper-evident features inheriting from smart card technologies

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### Security

NIST FIPS validated RSA cryptographic cipher algorithm support

X9.17 PRNG random number generator for FIPS approved RSA key pair generation

SHA-1 hashing algorithm support

PKCS#15 compliant

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### Durability

More than 100,000 write/erase cycles

10-year data retention (ambient temperature)

Temperature range of -25°C to +85°C

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### Protection

Cryptographic module embedded in epoxy coating which is difficult to penetrate without leaving evidence of attacks

Packaging is resistant to penetration

System firmware is stored in read-only memory (ROM) during manufacturing process, once manufactured, no known method to be altered

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### Interoperability

Bloombase SpitfireOS security hardened operating system

Linux kernel 2.6 or above

Microsoft Windows

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## Management

Key health check and integrity check functions accessible from within Bloombase Spitfire web management console

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## Hardware Specifications

STMicroelectronics ST19XT34 8 bit microcontroller

32KB tamper resistant internal storage

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## Certifications

NIST FIPS 140-1 Level 2 certified

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## Hardware Compliant Standards

ISO/IEC 7816 compliant

USB Specification v1.1 compliant

FCC Class B certified



**Bloombase** - Transparent Data Security

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Specification Sheet  
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