



**Freemindtronic**

**PRESS RELEASE**

*Paris, June 16, 2024*

## **PASSCYPHER HSM PGP**

The Password Security Solution for Defense, Deployable on a Global Scale. One-click, end-to-end anonymized encryption, PassCypher HSM PGP redefines security with its serverless and database-less architecture, and patented segmented key system. Compatible with Windows and macOS, it provides optimal protection for businesses and government entities.

**Patented technology**

**Zero Trust – Zero Knowledge**

**EXTREMELY REDUCED ATTACK SURFACE!**

**One click – Offline – Serverless – No database – No login**

## **Freemindtronic Unveils PassCypher HSM PGP at Eurosatory 2024: A Revolution in Secure One-Click Password Management!**

*Paris, France* – Freemindtronic, a leader in the design of innovative counter-espionage solutions, is proud to unveil at Eurosatory 2024 its latest technological innovation – **PassCypher HSM PGP**, a serverless and databaseless password manager. Designed to deliver end-to-end security, PassCypher HSM PGP redefines password management for businesses and government entities around the world.



### **A Revolution in Password Security in One Click!**

Freemindtronic proudly announces the launch of **PassCypher HSM PGP**, a free password manager with no server or database, no login, no master password, with a sophisticated anti-phishing system and password corruption check. It is designed to guarantee unparalleled security and complete anonymity. PassCypher HSM PGP allows you to create containers encrypted in AES-256 CBC

PGP in a semi-automatic way in its free and fully automated licensed version. This ensures maximum security without the need for a centralized or decentralized server, or a database or master

password, significantly reducing the attack surface while exponentially increasing the level of resilience.

***But what distinguishes PassCypher HSM PGP even more in its licensed version is the one-click auto-connection in less than a second thanks to a patented segmented key AES-256 PGP encryption system.***

## Key features

- **Ultra-Fast Encryption and Decryption** : PassCypher HSM PGP encrypts and decrypts volatile memory passwords in less than a second, all with a single click. Translated into 14 languages, this tool is accessible to a wide global audience.
- **Interoperability and Backward Compatibility** : Compatible with various communication systems, it easily integrates with all browsers based on Chromium or Firefox, usable on Windows and macOS. The free version supports multiple platforms, while the paid version is optimized for Windows and MacOS with an extension planned for Linux.
- **AES-256 CBC PGP Segmented Key Encryption** : This patented technology ensures the creation of infinite segmented keys, enabling secure discussions with groups or individuals.
- **SSH Key Management** : PassCypher HSM PGP includes a secure SSH key generator, simplifying remote access management and protecting your SSH connections with robust, custom keys.
- **Anti-Phishing Protection** : With a serverless and databaseless architecture, PassCypher HSM PGP significantly reduces attack surfaces and provides advanced protection against sophisticated phishing.
- **NFC HSM Compatibility** : Integrate PassCypher HSM PGP with PassCypher NFC HSM for secure contactless management via an NFC-enabled Android phone, enhancing security and usability in both civilian and military counterintelligence environments.

## COMES WITH A FREE PASSWORD MANAGER

PassCypher HSM PGP also offers a 100% free version in 14 languages, offering anti-phishing and password corruption checks, for secure password management and use:

- **Compromised Password Verification** : Integration with Have I Been Pwned to check for password corruption.
- **Secure Password Generator** : Password generator with special characters for enhanced security.
- **Semi-Automatic Encryption** : PGP AES-256 key generator for semi-automatic encryption and decryption.
- **BITB Anti-Attack Protection** : Manual and automatic protection against iframe injection attacks.
- **Auto-Login and Auto-Fill** : Auto-login via QR code and containers encrypted in AES-256 PGP for fast and secure use.

## LICENSED FEATURES WITH PASSCYPHER ENGINE

Freemindtronic also presents **PassCypher Engine**, a paid version that integrates advanced features, based on a patented technology of automatic encryption and decryption by segmented keys:

- AES-256 CBC PGP automated encryption with segmented keys.
- Automatic erasure of segmented keys after the license expires.
- Manage directory paths for various storage media.

- Download license for backup and restore.
- SSH key generator with custom algorithms.
- Advanced segmented key management.

### **Preservation of Anonymity thanks to PassCypher Engine**

PassCypher HSM PGP also benefits from the innovative **PassCypher Engine**, a hardware-based license not a user-based license, allowing anonymous use by multiple people on the same computer with their own segmented keys. This licensing system allows several different people to use the same computer with key segments specific to each user, all in complete transparency. The license is activated quickly after receiving the motherboard's serial number by email to [fullsecure@freemindtronic.com](mailto:fullsecure@freemindtronic.com). Check out our [license activation video](#) for more details.

### **A Must-Have Solution for Sensitive Businesses and Government Entities**

PassCypher HSM PGP is ideal for enterprises and government entities, providing advanced protection for critical data and sensitive communications. This solution is designed to meet the highest safety and security requirements.

### **About Freemindtronic**

Freemindtronic specializes in the design of cybersecurity and counterintelligence systems, including contactless technologies (NFC). By offering innovative and high-quality solutions, Freemindtronic is redefining the standards for protecting sensitive data and communications.

Come and experience the demonstrations at Eurosatory, Hall 5B, Booth A199, from June 17th to 21st, to experience the unique capabilities of PassCypher HSM PGP in person! For more information, visit [Freemindtronic](#).

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