

TUTORIAL EXTENSION PASSCYPHER HSM PGP Free

By Freemindtronic Andorra

Serverless, database-free, no identification
« Zero Trust & Zero Knowledge »





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PassCypher HSM PGP Free Password Manager

PassCypher HSM PGP Free Password Manager provides robust security with end-to-end encryption. Benefit from advanced anti-phishing protection and effortless auto-login via drag-and-drop or double-click. Available in 13 languages and compatible with systems supporting Chromium-based and Firefox browsers. Support the development of this free tool by making a donation.

Download & use for free: PassCypher HSM PGP [Microsoft Edge Addons](#) or PassCypher HSM PGP – [Chrome Web Store](#), no donation required!

Note on Tutorial: Please note that the tutorial is available in French: [Tutorial – PassCypher HSM PGP Free Extension v3.0.0](#)

Your Contribution *

5

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DONATE »

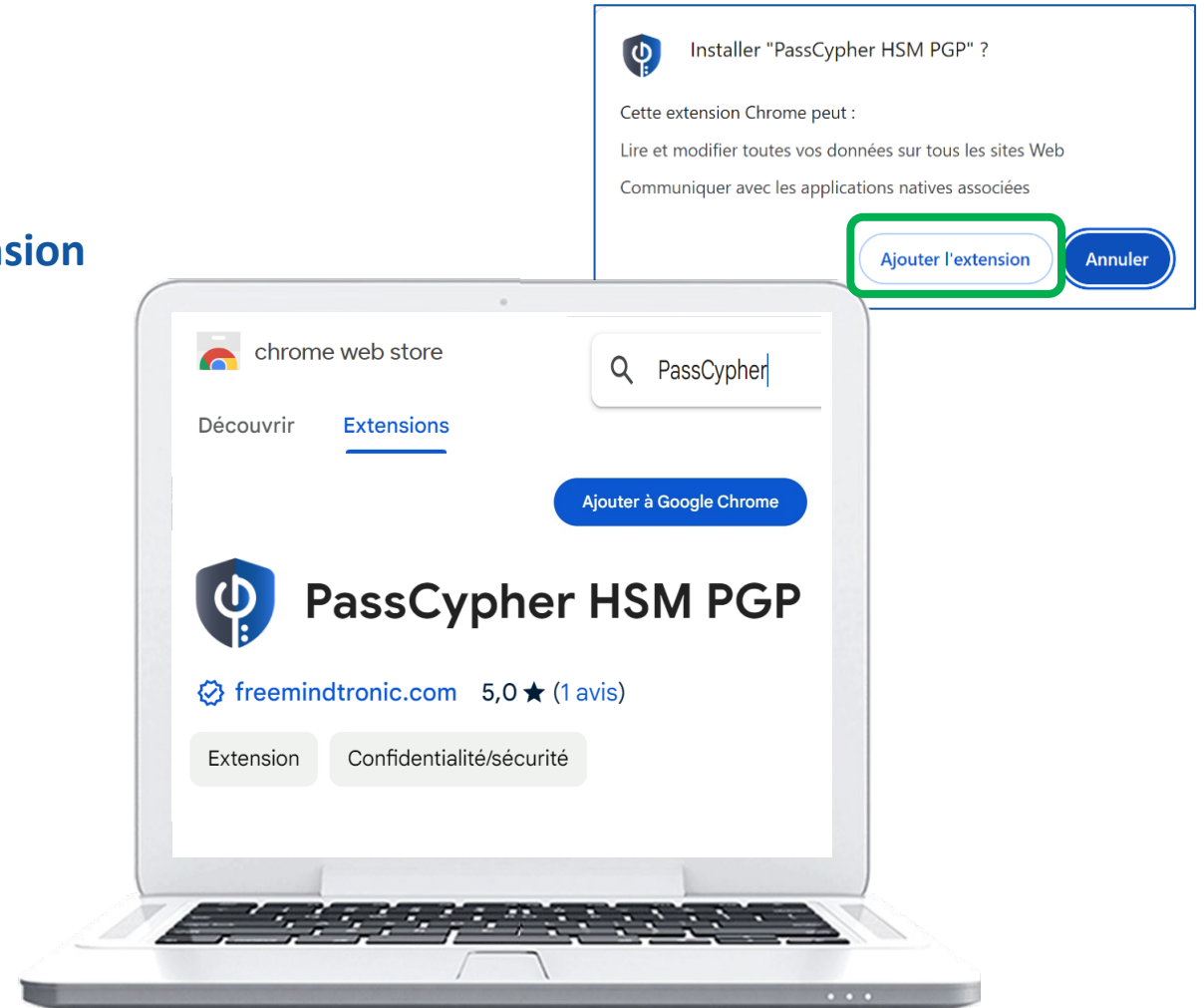
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- Installation of the PassCypher HSM PGP Free extension
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- Operating principles
- Detailed diagram
- Creation, backup, and management of your login credentials
- Examples of connecting to messaging services via an "encoded" QR code
- Examples of connecting to websites via an "encoded" QR code
- Settings and features

INSTALL THE EXTENSION

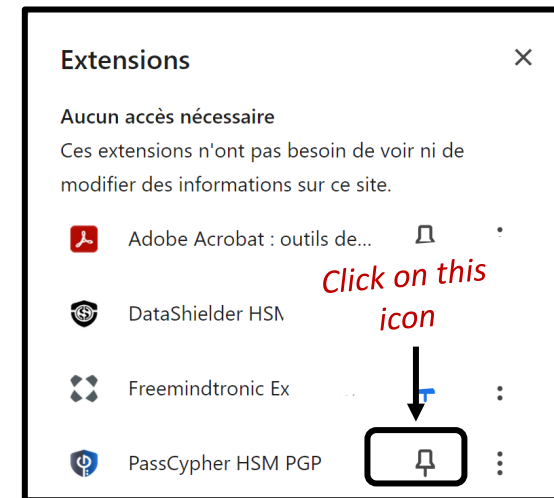
Download and install the free PassCypher HSM PGP extension

-  **CHROME** : [chrome web store](#)
-  **BRAVE** : [chrome web store](#)
-  **OPERA** : [chrome web store](#)
-  **MICROSOFT EDGE** : [PassCypher HSM PGP - Microsoft Edge Addons](#)
-  **FIREFOX** : in progress



FINNISH THE INSTALLATION

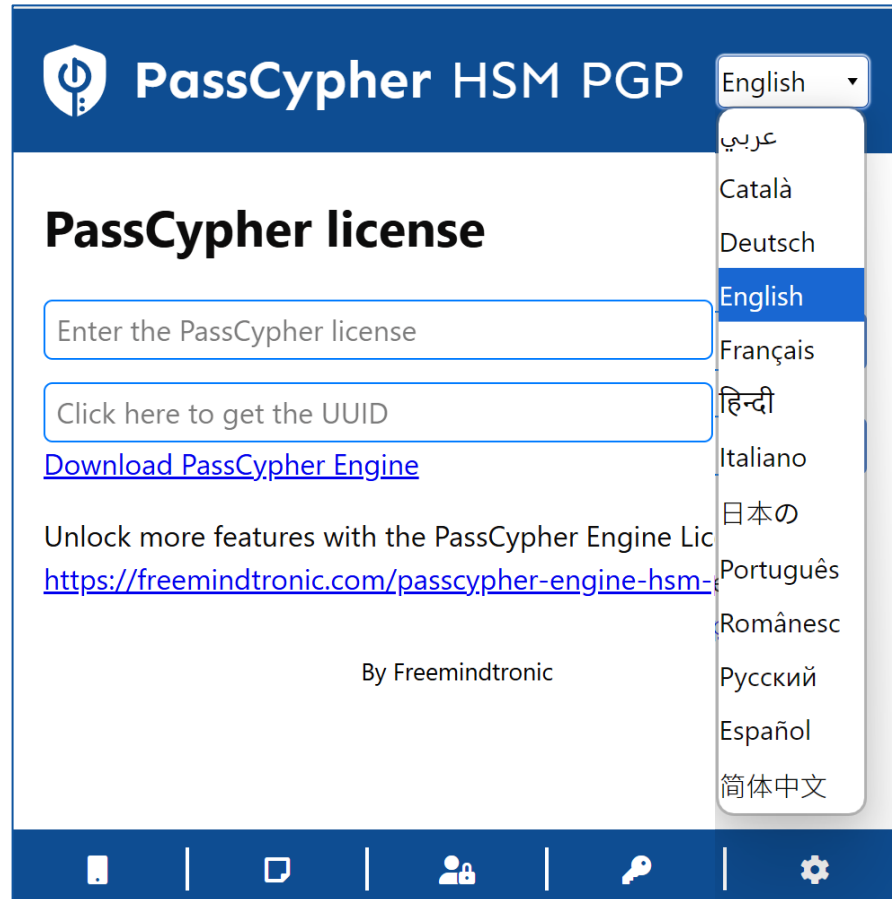
Click on this icon to access the extensions



Click on the PassCypher icon at the top right of your computer screen to open the extension





MULTILINGUAL EXTENSION



The PassCypher HSM PGP extension is available in 13 languages: Arabic, German, English, Catalan, Chinese, Spanish, French, Hindi, Italian, Japanese, Portuguese, Romanian, and Russian. You can choose in which language to display the extension.

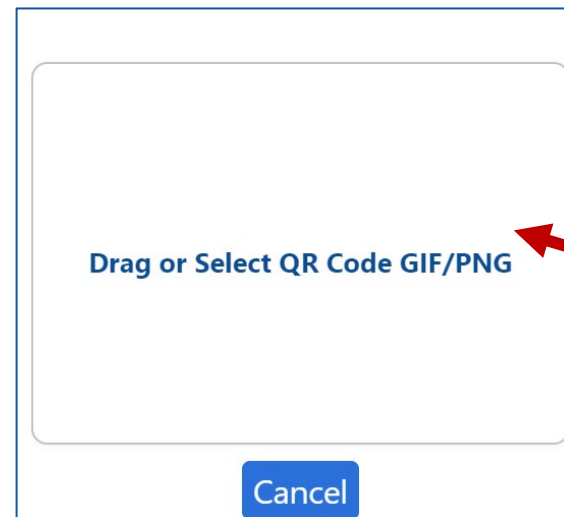
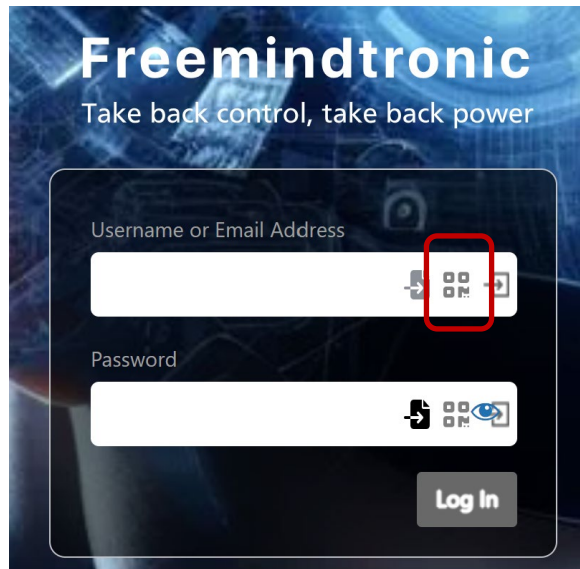
How does it work?

- **PassCypher HSM PGP is a free extension that allows several automatic connection modes:**
 1. With login credentials in an "encoded" QR code format (.gif files)
 2. With login credentials encrypted in AES 256 (PGP files) **(see separate tutorial)**
 3. With login credentials saved in an NFC device **(see separate tutorial)**
- The security level of these different connection modes is not the same
- the ease and speed of use also differ.
- A **paid version of the extension** (license activation) offers **maximum security** and **unmatched execution speed**.
- In the "**Username**" and "**Password**" fields, you will see 3 **icons** that allow you to access the 3 **connection modes**.

Nom d'utilisateur	<input type="text"/>	
Mot de passe	<input type="password"/>	

Detailed diagram

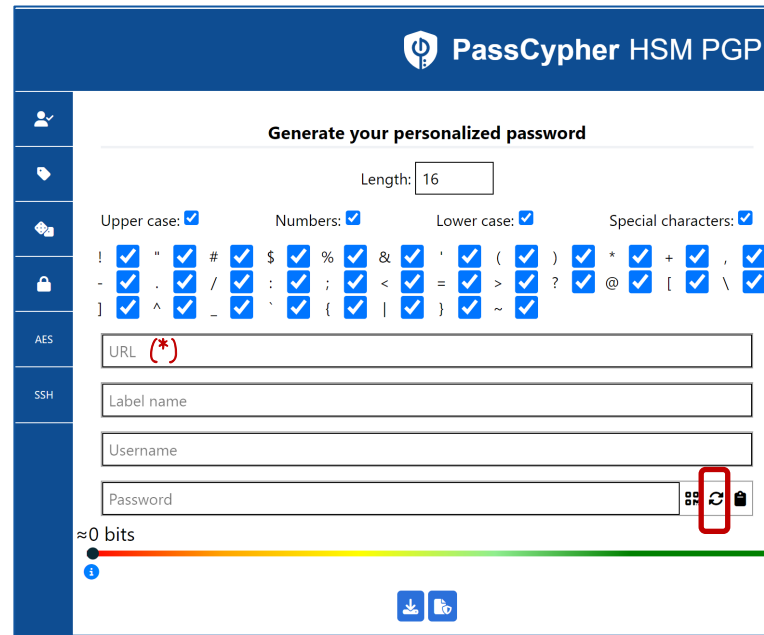
1. Open the website or messaging service you want to log in to on your computer.
2. Go to the **login page** [Username & Password].
3. **Click** the "QR code" icon shown below.
4. A window opens; click to access the folder where your login credentials are saved in .gif format.
5. Click the appropriate one or drag it into the window.
6. The fields are automatically filled in, and the connection is made (if you have activated Autologin in the extension settings).
7. How **activate the Autologin function**, see slide 16



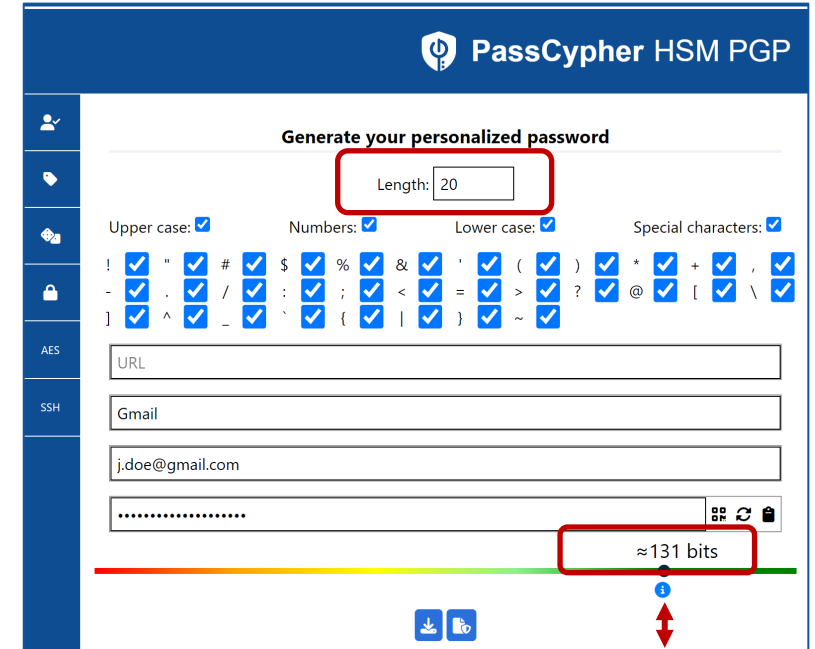
Create your login credentials in "encoded" QR code format



Click to open the extension, then click the indicated icon to create your login credentials.



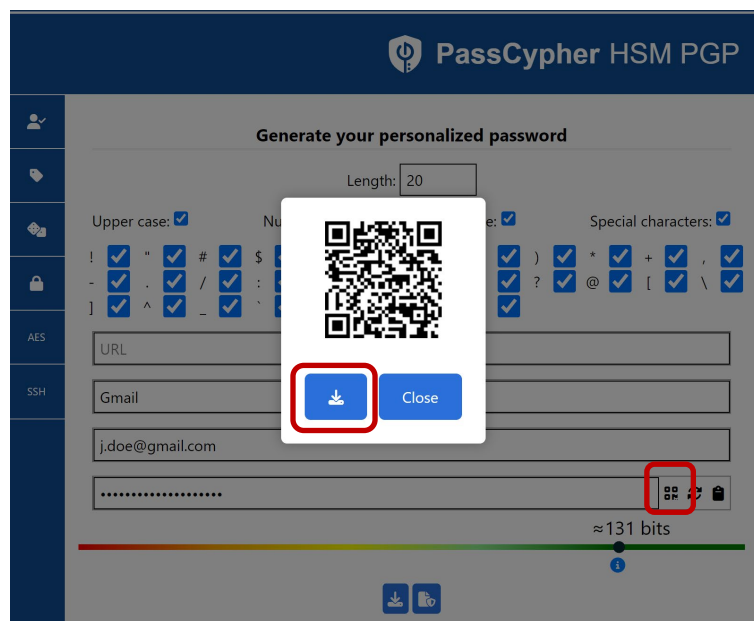
Fill in the information. Click the icon to generate random password. By default, the password length is 16 characters, but you can modify it. You can also enter your password manually.



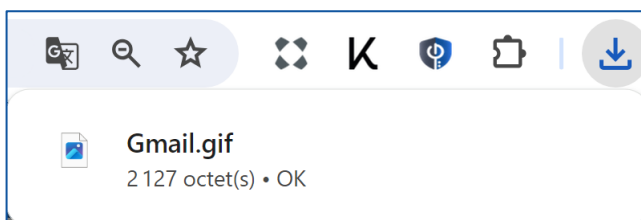
The password entropy is calculated and displayed as a color code.

The strength of your password is calculated based on the size of the alphabet it uses and its length. The larger the alphabet size and password length, the more secure it will be.

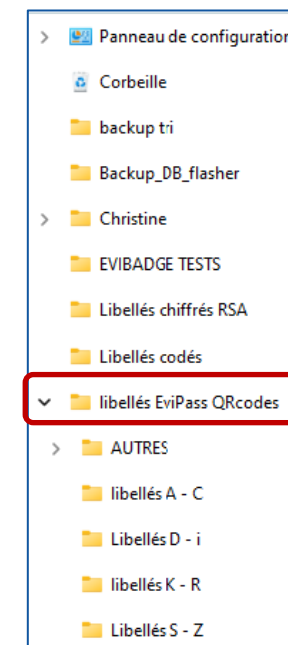
Save your login credentials in "encoded" QR code



Click the "QR code" icon, then click the icon to save this credential.

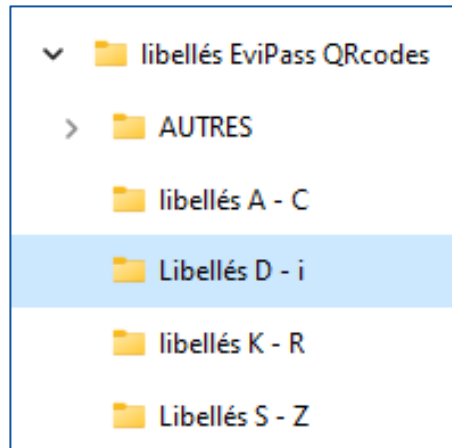


The Gmail.gif file is saved in the "Downloads" folder of your computer.

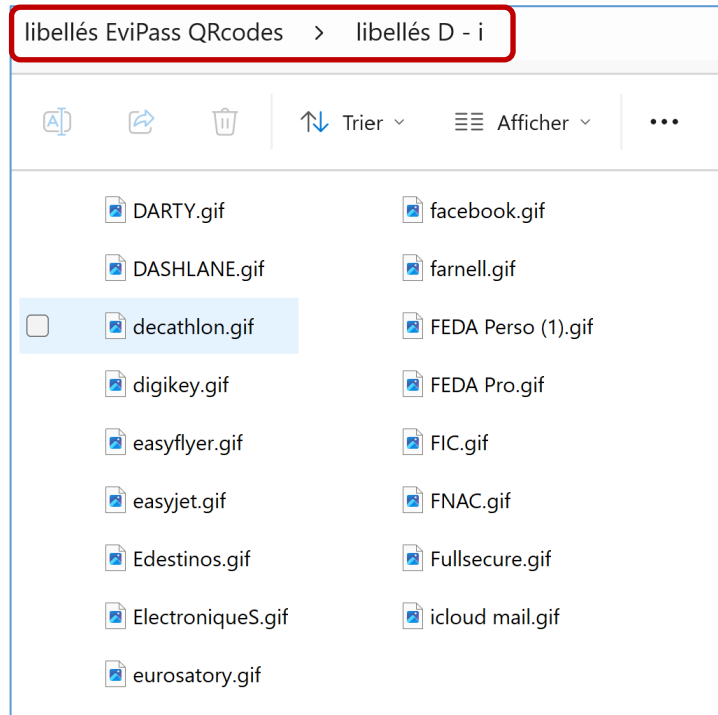


Choose a folder to save this file, which will be used for automatic connection to Gmail. You can use a USB key, an external drive, Cloud backup, or other options. Also, consider **securing this folder** (BitLocker, opening password, etc.).

Manage your login credentials




Organize your various backups as you see fit: in this case, alphabetical sorting has been chosen.



All login credentials appear in .gif file format.

Don't forget to secure access to this folder and make regular backups

Examples of connection to a messaging service



Sign in with Apple ID

Email or Phone Number

One click fills both fields

Sign in with Apple ID

Email or Phone Number

password

Sign in

to continue to Proton Mail

Email or username

Password

One click fills both fields


Sign in

Remplissage automatique réussi.
Ce mot de passe n'est jamais apparu auparavant dans une violation de données

Password

☐ Keep me signed in
Recommended on trusted devices. [Why?](#)

Sign in



Sign in

to continue to Outlook

Email, phone or Skype

No account? [Create one!](#)

1st click

Sign in


to continue to Outlook

.....

No account? [Create one!](#)

[Sign in with a security key](#)

Next



Enter password

test_evicypher@outlook.com

.....

[Forgotten your password?](#)

[Other ways to sign in](#)

Sign in

2nd click

Se connecter à Yahoo Mail

à l'aide de votre compte Yahoo

Nom d'utilisateur, mail ou téléphone

Suivant

Se connecter à Yahoo Mail

à l'aide de votre compte Yahoo

Nom d'utilisateur, mail ou téléphone

Suivant

Mot de passe

.....

Suivant

2nd click

Sites called "two-step authentication": 2 clicks are required

Examples of connecting to a website

Connectez-vous 

E-mail ou nom d'utilisateur

Mot de passe

Remplissage automatique réussi.
Ce mot de passe n'est jamais apparu auparavant dans une violation de données

Mot de passe

☐ Se souvenir de moi

Connectez-vous

One click fills both fields

fnac **Connexion / Inscription**
Saisissez votre e-mail pour vous connecter ou créer un compte

E-mail

Connexion / Inscription

E-mail

Mot de passe

Mot de passe

☐ Restez connecté(e)

Se connecter

1^{er} clic

2nd clic

Site called “two-step authentication”:
2 clicks are required

Accés usuaris registrats

CERTIFICAT ELECTRÒNIC

Autofill successful. This password has already appeared in a data breach

Has oblidat la contrasenya?

ENTRAR

Password verification and **alert** in case of a compromised password.

AUTOLOGIN IN ONE CLICK!

Access your favorite messaging platforms or websites and enjoy a fast, secure, and automatic connection.



USE THE PASSWORD GENERATOR

PassCypher HSM PGP

Generate your personalized password




Length:

Upper case: ☒ Numbers: ☒ Lower case: ☒ Special characters: ☒



! ☒ " ☒ # ☒ \$ ☒ % ☒ & ☒ ' ☒ (☒) ☒ * ☒ + ☒ , ☒
- ☒ . ☒ / ☒ : ☒ ; ☒ < ☒ = ☒ > ☒ ? ☒ @ ☒ [☒ \ ☒
] ☒ ^ ☒ _ ☒ ` ☒ { ☒ | ☒ } ☒ ~ ☒

AES

SSH

≈0 bits




 

16

The default password length is 16 characters, but you can modify it in the window.






Click to generate the password (example shown: 45 characters).

≈296 bits

Hover your mouse over the field to view the password in plain text.

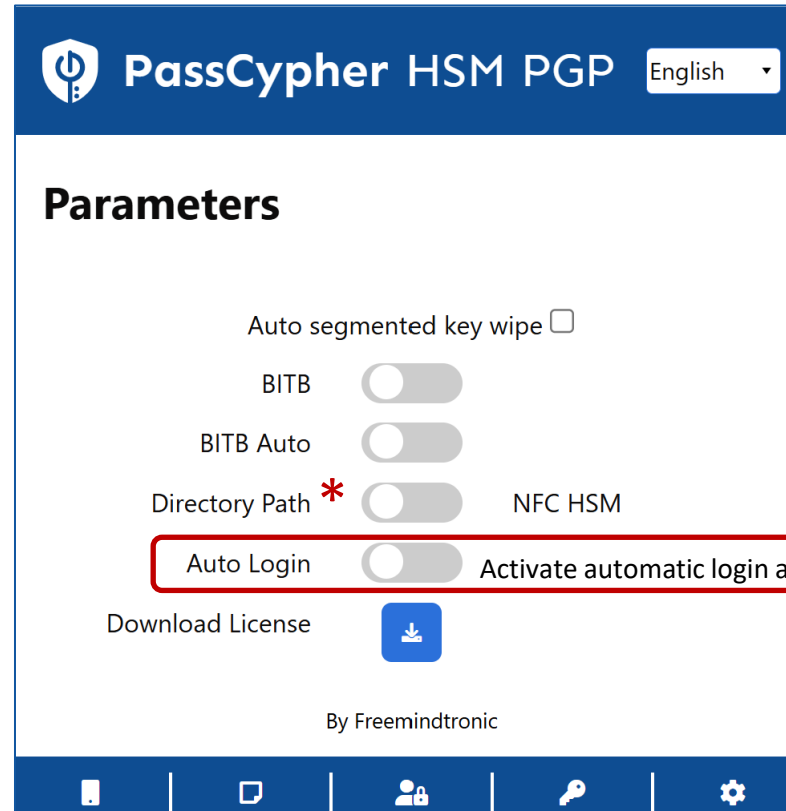
  

≈296 bits

Settings & Features



Click on the "Parameters" icon.



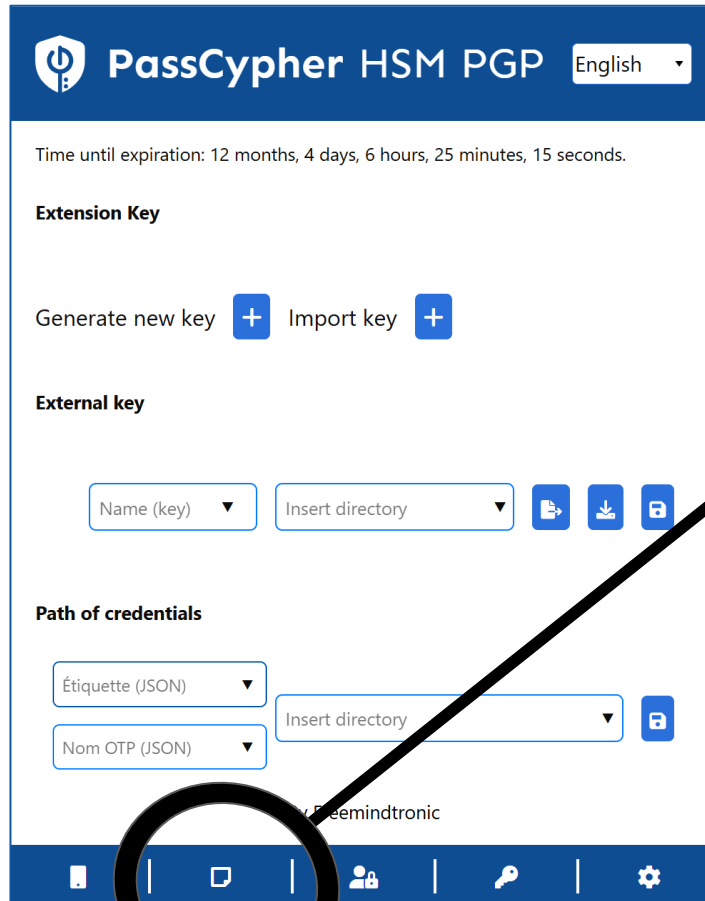
A window opens with various options that you can activate

(*) available in the paid version

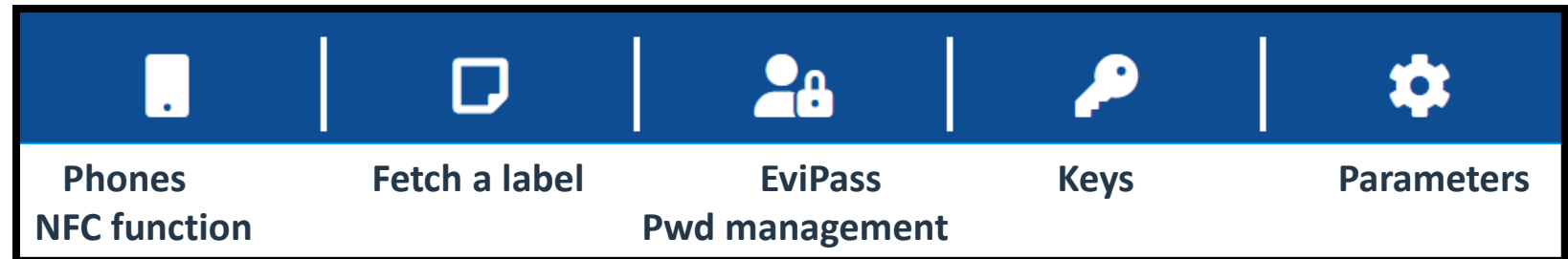
BITB – more information available [here](https://freemindtronic.com/how-passcypher-hsm-pgp-works/)

Find other features explained in the complete tutorial available on <https://freemindtronic.com/how-passcypher-hsm-pgp-works/>

MORE FUNCTIONALITIES



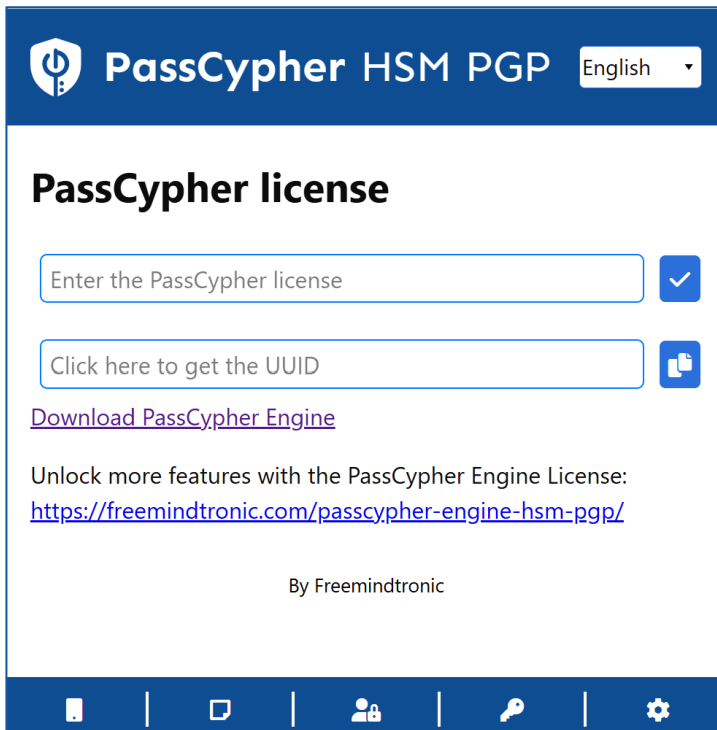
By default, the extension opens on the « keys » window



Find other features explained in the complete tutorial available on the Freemindtronic website.

<https://freemindtronic.com/how-passcypher-hsm-pgp-works/>

Activate the license (paid version)



Home page of the l'extension

Concerns the paid version of the PassCypher extension

More information, click here: [Extension PassCypher HSM PGP](https://freemindtronic.com/passcypher-engine-hsm-pgp/)

Take back control, Take back power

EviPass Technology

By Freemindtronic Andorra



For more information: <https://www.freemindtronic.com>

