



# authUSB

Safe Door



## 1. General information

authUSB S.L. is a manufacturer of added value technology with innovative solutions in the cybersecurity area.

Our experience is based on the ICT and Cybersecurity sector. Since our inception we have given support to R&D departments of some of the Spanish companies with greater international presence, integrating our solutions in their critical structures.

We had focused our entire business force in developing solutions on the basis of the deficiencies detected in the market and those which our customers demand.

## 2. Executive summary

### The Problem

Currently USB devices, in addition to containing information can be exposed to three types of attack levels.

- *Software level:* Malware, Virus.
- *Hardware level:* called BadUSB. Within this level of attack, there are three different types:
  - Emulators or false human interface devices. They have the look of an USB but their firmware is preloaded with a payload (sequence of commands with the objective of carrying out an attack).
  - Programmers. Using a program within the USB, they are able to modify and/or infect the firmware of certain components of the host computer.
  - Emulators- programmers: they combine both techniques
- *Electrical level:* USBKiller. The goal of this type of attack is to totally destroy the hosts team's plate. When connecting the USB memory in order to download the information., it sends bursts of up to 220V through data lines of your computer.

Against those attacks, the traditional security policies, only give us coverage in Software attacks while the other ones, hardware and electrical, will evade counter measures taken in the security policies deployed into organizations. This measures shall, in no case, analyzed the firmware of internal components of a computer, such as the USB controller and network, limiting its analysis to the content of processes that are within the operating system.



## Solution

authUSB has developed a patented technology that protects against these three types of attacks, carried out through USB storage devices.



## authUSB

### Safe Door

Is a protection tool consisting of hardware and software capable to identify, neutralize and record these attacks.

authUSB Safe Door acts as a bridge or link, between the host computer and USB devices. Becomes the single point of entry of all USB devices within organizations.

Our tool evaluates the contents of the pendrive inserted in and, through a Web-based console, we browse its interior and we can select the files to download for its previous analysis. Once you have verified their security and reliability the information hosted on, will download automatically.

In the event of infection the tool warns the user, first with a Red light and then with a visual warning, identifying the files and the type of threat.

The device also protects against information leakage, being a fundamental tool for the fulfillment of the GDPR.

All analysis results carried out by authUSB Safe Door deployed in an organization, will be accommodated in a Central Console, for later viewing, auditing and analyzing by personnel responsible for security.



### 3. Degree of innovation(compare to the state of current technology)

authUSB Safe Door has a registry of patent ID. 201730080, submitted in January 2017 and waiting to be granted.

Nowadays commercial products, related to the protection of USB vulnerabilities, only deal with software vulnerabilities, therefore authUSB Safe door is the ONLY solution in the market who can deal with the three vulnerabilities (Software, Hardware and Electrical),

### 4. Scalability. Integration with other systems.

Our business model is adapted to the needs of the client.

We have both solutions, adapted to the needs of a single user or those of a great infrastructure. It is easy to integrate, install and use.

If the customer has the need to incorporate more authUSB Safe Door devices, the adaptation and installation process ,will be automatic and controlled.

There is a Central Console in which, all devices linked to are audited.

It has an user-friendly method of integration with other control systems and organizational environments. Creating the Software-Malware protection by combining the user one,with the one inside authUSB Safe door tool.

authUSB Safe Door gives the CIO greater control and security over all USB storage devices circulating within the Organization.

As an added benefit, the time saved from this type of control can be diverted to other control duties, or more free time.

In addition it takes into account the regulations set forth by the GDPA in May 2018.

### 5. Business Model

Our Device has 2 Usb Ports. It includes its own hardware software and an update and upgrade integrated Antivirus.

In addition to the purchase of the devices we have an annual licensing for a Central Console.

For more information, please contact us. We will be very pleased to inform you.



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