SecuriRAM

USB drive with secure erase

SecuriRAM is a self-erasing USB drive intended for transporting a limited amount of information. Its unique feature is the ability to completely erase all its content, manually by the user or automatically after 24 hours of inactivity.

Key features

- USB memory stick with secure erase of all data, either manually or automatically after 24 hours.

- Prevent unintentional exposure of sensitive information if USB is lost or shared.

- Secure erase before use guarantees USB is clean from any virus or malicious code.

- Sustainable alternative to use and throw USB flash drives and CDR media.

Technical brief

- 64MB self-erasing USB drive

- Secure erase by zeroisation.

- Automatic erase after 24 hours or when the battery voltage is low and SecuriRAM is not connected to a powered USB port.

- The automatic erase timer is renewed by inserting SecuriRAM in a powered USB port.

- SecuriRAM reports a unique ID to the operating system, including its serial number, for use by a third party allowlisting service.

USB memory for data in motion

USB flash drives are often used to transfer information between systems. Lack of routines for how to use the drives introduces a risk of sensitive information getting in the wrong hands or that malware is spread between the systems.

Unlike regular USB memory sticks, SecuriRAM information transfer is performed in a protected and controlled manner. SecuriRAM changes the user behaviour to use drives as a transport media instead of storage.

Using SecuriRAM as a transport media for sensitive data, companies and organisations can prevent unintentional distribution of information and significantly decrease the risk of spreading viruses when files are moved between systems.

Memory technology in SecuriRAM

SecuriRAM uses volatile memory where every bit of information is possible to permanently erase. In contrast, ordinary USB memory sticks use flash memory for which some data may stay permanently on chip level, even after excessive overwriting.

The secure erase functionality in SecuriRAM is achieved by over-writing the complete memory (including file table) with zeroes, a procedure called zeroisation.

Secure erase is performed by an internal, battery-powered processor. By pressing its two buttons, SecuriRAM performes a secure erase of all data permanently within seconds.

After a secure erase, the SecuriRAM is in the same state as when it left the factory and the SecuriRAM can be re-used for all purposes, over and over again.

Technical data

SecuriRAM

Memory capacity

64MB

Secure erase

- Manually
- Automatically after 24 hours.
- Automatically when the battery voltage is low and SecuriRAM is not connected to a powered USB port.

The automatic erase timer is renewed by inserting SecuriRAM in a powered USB port.

Physical security

Tamper evident casing.

Supported standards

USB standard
2.0

File format
FAT

Dimensions

Device Size (incl. USB contact)
30 x 73 x 13 mm

Environmental characteristics

Storage
-20° - +50°C, 5% ~ 95% RH non-condensing
IEC 60721-3-1 (1K2/1B1/1C1/1S1/1M2)

Transport
-20° - +50°C, 5% - 95% RH non-condensing
IEC 60721-3-2 (2K2/2B1/2C1/2S1/2M2)

Stationary use
+10° - +40°C, 8% - 90% RH non-condensing
IEC 60721-3-3 (3K3/3Z1/3B1/3C1/3M1)

Advenica provides expertise and world-class high assurance cybersecurity solutions for critical data in motion up to Top Secret classification. We enable countries, authorities and companies to raise information security and digitalise responsibly. Founded in 1993, we are EU approved to the highest level of security. Our unique products are designed, developed and manufactured in Sweden.

Read more at advenica.com

ISO 9001
CERTIFIED
ISO 14001
CERTIFIED