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SecuriRAM©
User's Guide

Introduction

SecuriRAM is a USB 2.0 memory stick with secure erase functionality. It is intended for temporary storage and transfer of sensitive information. Due to the secure erase, the SecuriRAM can be re-used for all purposes, over and over again.
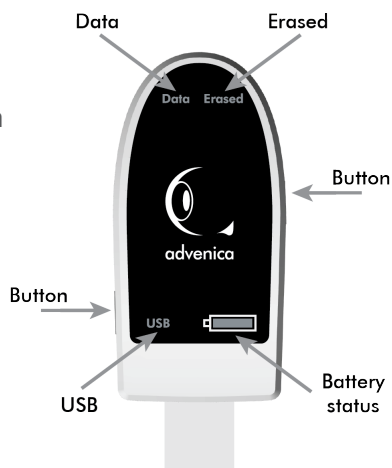
First use

The first time the SecuriRAM is connected to a powered USB port, the internal file system is formatted and the device is activated and can receive data. The SecuriRAM remains active until a secure erase has been performed. Once erased, the SecuriRAM must be connected to a powered USB port to be activated again.

User interface and indicators

SecuriRAM has four LED indicators and two buttons:

- **Data** - The SecuriRAM contains data.
- **Erased** - The SecuriRAM has been securely erased.
- **USB** - Data is being transmitted on the USB interface.
- **Battery status** - Battery capacity and charge progress.
- **Buttons** - Shows status or erases data when pressed.

Secure erase

The SecuriRAM erase functions perform a secure and complete erase of the memory content. All data, including file table, is erased by over-writing (zeroisation).

Erase indicators

While data is being erased, the Data indicator blinks red. The secure erase is complete when the Erased indicator is temporarily lit green.

Manual erase

A manual secure erase is performed by pressing both buttons on the SecuriRAM at the same time for at least one second.

Automatic erase

An automatic secure erase will be performed if any of the following situations occur:

- The internal battery runs low.
- The SecuriRAM is not connected to a powered USB port within 24 hours.

Please note! *When using a computer operating system to erase data from the device, the information might still be re-created.*

USB transfer

When an erased SecuriRAM is inserted in a powered USB port, it will be activated and ready to receive data. Data transfer is performed using normal operating system procedures. While data is being transferred to or from the device, the USB indicator will be lit green, showing activity on the USB interface.

Data transport

By pressing either button when SecuriRAM has been disconnected from the USB port, the presence of data will be indicated by the Data indicator being lit red. SecuriRAM can now be transported securely to the receiver and will remain active for 24 hours (automatic erase time limit) unless a manual erase is performed or the battery runs low.

When all the data has been transferred from SecuriRAM, a manual erase should always be performed to ensure that all information is securely and completely erased from the device.

Determine operational status

The SecuriRAM operational status is indicated when either button is pressed.

Status indication:

- **SecuriRAM is active** - The Data indicator will be lit red if the SecuriRAM may contain data.
- **SecuriRAM is erased** - When the Erased indicator is lit green or when all indicators are off, the SecuriRAM has been securely erased.

No previous data remains in memory and the device may be re-used.

Battery maintenance

SecuriRAM contains a rechargeable lithium-ion battery. The battery will automatically be charged whenever SecuriRAM is connected to a powered USB port. The Battery status indicator will be blinking yellow while charging and lit green when fully charged. Charging can only be guaranteed within the temperature range +10 - +40° C. Outside the range charging will stop and no status will be indicated.

The current battery status is indicated when either button is pressed. The Battery status indicator will be lit green when the battery is fully charged, yellow at medium battery level (≤ 24 hours left) and red at low battery level, the latter indicating that the battery needs charging as soon as possible to avoid automatic erase.

Please note! *If SecuriRAM is not connected to a powered USB port within 72 hours after an erase, all indicators are off.*

The actual life of the battery is affected by how SecuriRAM is handled. It is not recommended to keep SecuriRAM in storage for a longer period of time without recharging the battery. Recharge should be performed at least once every 3 months. The ideal storage temperature is +20° C.

Specifications

Parameter	Value
Memory capacity	64 MByte
USB standard	2.0
File format	FAT16
Automatic erase	after 24 h
Charging time	approx. 3 h

Temperature range
  Stationary use
  Transport/storage
	
	+10 - +40° C
	– 20 - +50° C

Size (incl. USB contact)	30x73x13 mm
Size (excl. USB contact)	30x60x13 mm

Disclaimer

Advenica AB disclaims any liability for lost information or any other losses or damages in connection with the use of SecuriRAM.

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