

# DataSafe

- ▶ **DataSafe** is a modern data recorder with integrated protection against data manipulation
- ▶ Data and event registration in security systems
- ▶ PC Windows application for data displaying, collecting, archiving, searching and printing
- ▶ Replacement for approved protocol printers
- ▶ Uses ATA Flash-Cards as removable and flexible storage media
- ▶ Easy handling and installation
- ▶ Robust, compact and cost-saving
- ▶ Operating temperature: - 40 °C to +85 °C

**DataSafe** is a modern and **cost-effective** alternative to formerly used protocol printers, wherever in **security systems** data and events have to be recorded **traceably** and with protection against manipulation.

Instead of manually searching for interesting data in endless printer outputs, now **PC systems** can **efficiently** be used for this purpose.

**File management** under Windows provides optimal and reliable archive and back-up possibilities.

## Typical Data Sources

- ▷ Burglary alarm systems
- ▷ Failure detection systems
- ▷ Fire prevention alarm systems
- ▷ Access control systems
- ▷ Surveillance of buildings and facilities, e.g. patrol registration

## BSI

The system **DataSafe** with the software **DataSafe Manager** complies with the requirements of the **BSI**<sup>1</sup> for event-/ background recording in alarm control centers.



**Identification** of the application and **protection against data manipulation** are realized as key features.

## DataSafe device

**DataSafe** can directly be connected via RS232 to the data source instead of for instance a protocol printer.

The **data communication** is **compatible** with the so called **B-Protocol**<sup>2</sup>.

**ATA Flash Cards** are used as data storage media. Depending on the resulting data amount, a suitable card can be chosen between 32 MB and 2 GB in order to adapt the recording period to the maintenance period of the security system.

**DataSafe** uses a RS232 control line to inform the data source of a remaining memory capacity of less than 10 %.

The low power consumption of **DataSafe** allows operation even with an emergency power supply.

<sup>2</sup> Industrial standard, supported by protocol printers

<sup>1</sup> Bundesamt für Sicherheit in der Informationstechnik (German Federal Office for Security in Information Technology)



## ***DataSafe Manager (DSM)***

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For handling and data management a **32-bit Windows application**<sup>3</sup> is provided.

This tool supports all main functions, like

- preparation of the ATA Flash Card for data recording (**Init-Card**)
- data transfer from card to file (**Read-Card**)
- **display** of a document containing saved data
- **search** for specific text in the document and
- generation of a **printout** of this document.

## ***ASCII Export***

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For the use of the data in other applications, a special function is available which stores the data in a file in ASCII-format.

These data may be read by or imported in many software tools and may be used for documentation, statistics or other helpful applications.

## ***PC Card Drive***

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For the data exchange between ATA Flash-Card and PC a **PC Card Drive** is needed. For this purpose the CSM **OmniDrive** is highly recommended. It is optimally qualified and easy to use.

Alternatively, for low-cost applications the *DataSafe* device can be used in a special mode that allows direct data transfer via the a PC COM-Port interface.

For readout of the data the *DataSafe* has to be disconnected from the data source, connected with a PC and installed there. However, the high data transfer rate of *OmniDrive* can not be reached with *DataSafe*.

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<sup>3</sup> **System requirements:**  
Windows 7, Vista, XP, 2000, NT 4.0 or 9x/Me



# Specification DataSafe

Item	DataSafe device as external box with front cover <sup>1)</sup>	
Dimensions (W x H x D)	109 mm x 35 mm x 176 mm	
Weight	approx. 430 g	
Power Supply <sup>2)</sup>	5 V DC <sup>2)</sup> or 8 - 32 V DC via 2-pole low voltage connector	
Power Consumption <sup>3)</sup>	Device type <b>5 V DC:</b>	Device type <b>8-32 V DC:</b>
	approx. 300 mW (without PC Card)  approx. 500 mW to 750 mW <sup>3)</sup> (with PC Card, write access)	approx. 500 mW (without PC Card)  approx. 800 mW to 1200 mW <sup>3)</sup> (with PC Card, write access)
RS232 Interface	baudrate, databits, stopbits and parity selectable <b>max. 115,200 Baud</b> (115.2 k, 57.6 k, 38.4 k, 19.2 k, 9.6 k ... Baud)	
Connector	D-SUB 9-pole female	
PC Card Slot	one slot for <b>PC Card type II</b> at front	
PC Card types	ATA Flash Card type II, ATA Compact Flash Card (with adapter)	
LEDs	operation: POWER (green LED) / access: BUSY (red LED)	
Temperature	- 40 °C to +85 °C (operation and storage)	
Humidity	max. 90 % (non condensing)	
Conformity	CE	

<sup>1)</sup> please ask for: other mechanical versions, e.g. 3.5", 19", PCB-module

<sup>2)</sup> please ask for: an optional AC adapter, or power supply from PC via keyboard adapter, instead power supply from data-source

<sup>3)</sup> The power consumption depends significantly on the used ATA Flash Card. In case of using CSM SuperStore Flash Cards you get typ. 550 mW (5 V) or 880 mW (8-32 V).

## Shipping Content:

- **DataSafe**  
in external box, with Installation Guide
- **Power Supply Cable**  
(2<sup>nd</sup> end open) to supply DataSafe from data source
- **CD with DataSafe Manager**  
and detailed Windows-Help-File

## Additional products:

- **OmniDrive USB2 Professional**  
Universal PC Card Reader for USB 2.0 interface for data exchange with PCs
- **ATATOOL** (in conjunction with OmniDrive)  
Software tool for analysis and recovery of ATA Flash Cards
- **CSM SuperStore ATA Flash Card**

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