

## DOS-Drive 3964R

1. PC Card drive with asynchronous serial interface
2. Robust ATA Flash Card as removable data storage
3. Protocol standard 3964R for data exchange with industrial controls
4. Read and write of machine programs and control data in DOS-format
5. Data exchange with notebooks or desktop computers via PC Card slot
6. Extended temperature range (-40°C to +85°C)

DOS-Drive 3964R is perfect for connection to industrial controls, that support the protocol standard 3964R. A removable ATA Flash Card makes DOS-Drive 3964R flexible for data exchange with computers. Therefore it is comfortable to access and manage machine programs, recipes and control data under Windows.

### Varied applications

The protocol standard 3964R is preferably supported by the companies SIEMENS, BOSCH and PHOENIX CONTACT. This includes the systems:

- ☞ **SIEMENS**  
*Industrial controls series SIMATIC®*  
*Operator panels series OP15® / OP17®*
- ☞ **BOSCH**  
*Industrial controls series CL200®, CL400®*  
*and CL500®*
- ☞ **PHOENIX CONTACT**  
*I/O module type IB IL RS232®*



### Reliable data transfer

Defined by SIEMENS the 3964R protocol guarantees a reliable communication with DOS-Drive. For connection to a host system the interface requirements are minimal. Only an asynchronous serial interface without control lines is necessary.

The instruction set of DOS-Drive 3964R is optimized for use in control technology. Supported are these functions:


- ☞ **Create and delete file**
- ☞ **Read and write file**
- ☞ **Read file names (directory function)**

DOS-Drive 3964R has a default baud rate of 19,200 baud. The baudrate is user programmable and can be configured between 600 baud and 115,200 baud by an included PC utility.

### Robust data storage

As **storage media ATA Flash Cards** from **SanDisk** are supported, that are well-known in industry due to their reliability and robustness. At present ATA Cards are available with capacities between 8 Mbyte and 1 Gbyte.

## Specification DOS-Drive 3964R

Item	DOS-Drive 3964R as external box with slot protection cover <sup>1)</sup>
<b>Dimensions Weight</b>	109 (W) x 35 (H) x 176 (D) mm approx. 400g
<b>Power Supply</b>	8 V to 32 V DC via 2-pin low voltage connector <sup>2)</sup>
<b>Power Consumption</b>	approx. 400 mW (no PC Card) approx. 550 mW (with PC Card, no access) approx. 1100 mW (with PC Card, access)
<b>RS232 Interface</b>	asynchronous serial interface (only Rx/D, Tx/D) 8 data bits <b>selectable by PC utility:</b> parity: N, O, E stop bits: 1, 2 baud rate: 600 baud to max. 115,200 baud
<b>Connector</b>	D-SUB 9-pol female
<b>PC Card Slot</b>	one slot for <b>PC Card Type III</b> at front
<b>PC Card Types</b>	ATA Flash Card SanDisk, ATA CompactFlash Card SanDisk (with adapter)
<b>LEDs</b>	operation: POWER (green LED) / access: BUSY (red LED)
<b>Environment</b>	<b>- 40°C to + 85°C</b> (operation and storage) humidity max. 90% (non-condensing)
<b>Conformity</b>	

<sup>1)</sup> please ask for: case for mounting to DIN-Hutschiene

<sup>2)</sup> please ask for: power supply alternatively 5V DC from data-source or via AC adapter

### Shipping Contents:

- **DOS-Drive 3964R**  
in external box, with Installation Guide
- **Power Supply Cable**  
(2<sup>nd</sup> end open) to supply DOS-Drive 3964R  
from data source
- **Disk (3½")** with:  
**PC-Utility for configuration of  
RS232 interface**  
and detailed protocol and device  
documentation

### Additional Products:

- **OmniDrive**  
Universal PC Card drive for PC printer port  
(SPP and EPP), for data interchange with PCs.