

SIMATIC SD memory card 512 MB Secure Digital card for For devices with corresponding Slot Further information, Quantity and content: see technical data all other HMI panels with SD/MMC slot



Figure similar

General information	
Product type designation	SD memory card
Control elements	
Connection type	
<ul style="list-style-type: none"> <li>• USB</li> </ul>	No
Frame size/design	
<ul style="list-style-type: none"> <li>• Standard</li> <li>• Flat</li> </ul>	Yes; Typically 10 000 insertion cycles Yes
Installation type/mounting	
Mounting position	Any, dependent on target device
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	3.3 V; Max 3.6 V
Input current	

Current consumption (rated value)	100 mA; Typical, maximum value
-----------------------------------	--------------------------------

### Memory

Type of memory	Secure Digital memory card
Memory size	512 Mbyte
Transmission rate for reading, max.	1.6 Mbit/s; Minimum, typical for newly formatted memory
Transmission rate for writing, max.	1.6 Mbit/s; Minimum, typical for newly formatted memory
Wear leveling (distributed writing)	Yes; > 100 000 write/read cycles per cell and > 3 000 000 write/read cycles per card
Write protection switch	Yes; Effectiveness depends on the device

### Interfaces

Device-side interface	
<ul style="list-style-type: none"> <li>Number of pins device-side</li> </ul>	9

### Standards, approvals, certificates

CE mark	Yes
RoHS conformity	Yes
China RoHS compliance	Yes

### Use in hazardous areas

<ul style="list-style-type: none"> <li>ATEX Zone 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>ATEX Zone 22</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>IECEX Zone 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>IECEX Zone 22</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>cULus Class I Zone 2, Division 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>FM Class I Division 2</li> </ul>	Yes; Always comply with the operating instructions of the target device.

### Marine approval

<ul style="list-style-type: none"> <li>Germanischer Lloyd (GL)</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>American Bureau of Shipping (ABS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>Bureau Veritas (BV)</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>Det Norske Veritas (DNV)</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>Lloyds Register of Shipping (LRS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> <li>Polski Rejestr Statkow (PRS)</li> </ul>	Yes; Always comply with the operating instructions of the target device.

- Chinese Classification Society (CCS)
- Compass working clearance

Yes; Always comply with the operating instructions of the target device.  
5 m

### Ambient conditions

#### Ambient temperature during operation

- min. 0 °C; Indoor
- max. 50 °C; Indoor

#### Ambient temperature during storage/transportation

- min. -20 °C
- max. 60 °C

#### Relative humidity

- Operation, max. 90 %
- Condensation permissible No; Condensation not permissible

### Operating systems

#### Runs under operating system

- Windows CE Yes
- Windows Vista Yes
- Windows XP Yes
- Windows 7 Yes
- Windows 8 Yes
- Windows 10 Yes
- Linux No

### Mechanics/material

#### Enclosure material (front)

- Plastic Yes; Gold contacts

#### Enclosure color (front)

RAL 6034 (color deviation possible)

#### Service life

- Number of operating cycles, keys 10; Min. data storage without loss (in years)

### Dimensions

Width	24 mm
Height	32 mm
Thickness	2.1 mm

### Weights

Weight without packaging	3 g
Weight incl. packaging	6 g

### Scope of supply

Delivery quantity in pieces	1
-----------------------------	---

### Other

Merchandise	No
Manufacturer name	SIEMENS AG

Manufacturer's address	Gleiwitzerstraße 555, 90475 Nuremberg, Germany
Target devices	for MP177, MP277, MP377 and Mobile Panel 277, WinCC flexible 2008 SP1 and higher for OP77, TP/OP177, TP/OP277, Mobile Panel 177, with SD/MMC slot
<b>Usable in the following products</b>	
• Product 1	<a href="#">6AV6642-0EA01-3AX0</a>
• Product 2	6AV6643-0C*
• Product 3	6AV6643-0D*
• Product 4	6AV6643-7D*
• Product 5	6AV6643-7C*
• Product 6	6AV6643-8*
• Product 7	6AV6644-*
• Product 8	<a href="#">6AV6645-0BE02-0AX0</a>
• Product 9	6AV6645-0C*
• Product 10	6AV6645-0D*
• Product 11	6AV6645-0E*
• Product 12	6AV6645-0F*
• Product 13	6AV6645-0G*
• Product 14	6AV6641-0B*
• Product 15	6AV6641-0C*
• Product 16	6AV6642-0*
• Product 17	<a href="#">6AV6643-0AA01-1AX0</a>
• Product 18	<a href="#">6AV6643-0BA01-1AX0</a>
• Product 19	6AV6643-7BA*
<b>last modified:</b>	08/15/2019