

SIMATIC HMI MEMORY CARD 512 MB SECURE DIGITAL CARD FOR MP 177, MP 277, MP 377, MOBILE PANEL 277, FROM WINCC FLEXIBLE 2008 SP1 FOR OP 77, TP/OP 177, TP/OP 277, MOBILE PANEL 177 AND ALL HMI PANELS WITH SD/MMC SLOT



Figure similar

General information	
Product type designation	SIMATIC HMI SD memory card, 512 MB
Control elements	
Connection type	
• USB	No
Frame size/design	
• Standard	Yes; Typically 10 000 insertion cycles
• Flat	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	
• Number of pins device-side	9
Standards, approvals, certificates	
CE mark	Yes
RoHS conformity	Yes
China RoHS compliance	Yes
Marine approval	
• Germanischer Lloyd (GL)	Yes; Always comply with the operating instructions of the target device.
• American Bureau of Shipping (ABS)	Yes; Always comply with the operating instructions of the target device.
• Bureau Veritas (BV)	Yes; Always comply with the operating instructions of the target device.
• Det Norske Veritas (DNV)	Yes; Always comply with the operating instructions of the target device.
• Lloyds Register of Shipping (LRS)	Yes; Always comply with the operating instructions of the target device.
• Nippon Kaiji Kyokai (Class NK)	Yes; Always comply with the operating instructions of the target device.
• Polski Rejestr Statkow (PRS)	Yes; Always comply with the operating instructions of the target device.
• Chinese Classification Society (CCS)	Yes; Always comply with the operating instructions of the target device.
• Compass working clearance	5 m
Use in hazardous areas	
• ATEX Zone 2	Yes; Always comply with the operating instructions of the target device.
• ATEX Zone 22	Yes; Always comply with the operating instructions of the target device.
• IECEx Zone 2	Yes; Always comply with the operating instructions of the target device.
• IECEx Zone 22	Yes; Always comply with the operating instructions of the target device.

- cULus Class I Zone 2, Division 2

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

- FM Class I Division 2

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

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
Target devices	for MP 177, MP 277, MP 377 and Mobile Panel 277, WinCC flexible 2008 SP1 and higher for OP 77, TP/OP 177, TP/OP 277, Mobile Panel 177, with SD/MMC slot
Usable in the following products	
• Product 1	6AV6642-0EA01-3AX0
• 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	6AV6645-0BE02-0AX0
• 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	6AV6643-0AA01-1AX0
• Product 18	6AV6643-0BA01-1AX0
• Product 19	6AV6643-7BA*
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