



SIMATIC MM memory card 128 MB multi media card for OP 77B, TP/OP 177B, TP/OP 277, C7-635, MP 177, MP 277, MP 377, Mobile Panel 177, Mobile Panel 277 and all other HMI Panels with MM slot, scope of supply: 1 memory card

General information	
Product type designation	MM memory card
Control elements	
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)	80 mA; Typical, maximum value
Memory	
Type of memory	MultiMediaCard
Memory size	128 Mbyte
Transmission rate for reading, max.	0 kbit/s; No value available
Transmission rate for writing, max.	300 kbit/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	No
Interfaces	
Device-side interface	
• Number of pins device-side	7
Standards, approvals, certificates	
CE mark	Yes
Marine approval	Yes; Passive component, therefore dependent on target device
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.
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)
- Lloyds Register of Shipping (LRS)
- Nippon Kaiji Kyokai (Class NK)
- Polski Rejestr Statkow (PRS)
- Chinese Classification Society (CCS)
- Compass working clearance

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#### Ambient conditions

Suited for indoor use	Yes
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
• other	Yes; Card must not be formatted!

#### 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 (with packaging)	6 g

#### Scope of supply

Delivery quantity in pieces	1
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#### Other

Merchandise	No
Manufacturer name	SIEMENS AG
Manufacturer's address	Gleiwitzerstraße 555, 90475 Nuremberg, Germany
Target devices	for OP77B, TP177B, OP177B, TP277, OP277, C7-635, MP177, MP277, MP377, Mobile Panel 177, Mobile Panel 277, Comfort Panel

#### Usable in the following products

• Product 1	<a href="#">6AV6641-0CA01-0AX0</a>
• Product 2	6AV6642-0B*
• Product 3	6AV6642-0D*
• Product 4	<a href="#">6AV6643-0AA01-1AX0</a>
• Product 5	<a href="#">6AV6643-0BA01-1AX0</a>
• Product 6	6AV6643-7BA*
• Product 7	6ES7635-2EB*
• Product 8	<a href="#">6AV6642-0EA01-3AX0</a>
• Product 9	6AV6643-0D*
• Product 10	6AV6643-7D*
• Product 11	6AV6643-0C*
• Product 12	6AV6643-7CD00*

- Product 13
- Product 14
- Product 15
- Product 16
- Product 17
- Product 18
- Product 19
- Product 20

6AV6643-8AD10\*  
[6AV6545-0AH10-0AX1](#)  
6AV6644-0\*  
6AV6644-8AB20\*  
6AV6545-0C\*  
6av2124-0\*  
6AV2124-1\*  
[6AV2124-2DC01-0AX0](#)

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