

SIMATIC HMI MEMORY CARD 2 GB SECURE DIGITAL CARD FOR
SIMATIC HMI COMFORT PANEL



General information	
Product type designation	SIMATIC HMI SD memory card, 2 GB
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	2 048 Mbyte; Larger internal memory
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"> Number of pins device-side 	9

Standards, approvals, certificates	
CE mark	Yes
UL approval	Yes
cULus	Yes
RoHS conformity	Yes
China RoHS compliance	Yes

Marine approval	
<ul style="list-style-type: none"> Germanischer Lloyd (GL) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> American Bureau of Shipping (ABS) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> Bureau Veritas (BV) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> Det Norske Veritas (DNV) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> Lloyds Register of Shipping (LRS) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> Nippon Kaiji Kyokai (Class NK) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> Polski Rejestr Statkow (PRS) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> Chinese Classification Society (CCS) 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> Compass working clearance 	5 m

Use in hazardous areas	
<ul style="list-style-type: none"> ATEX Zone 2 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> ATEX Zone 22 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> IECEx Zone 2 	Yes; Always comply with the operating instructions of the target device.
<ul style="list-style-type: none"> 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. -30 °C; Indoor/outdoor
- max. 60 °C; Indoor/outdoor

Ambient temperature during storage/transportation

- min. -40 °C
- max. 80 °C

Relative humidity

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

Operating systems

pre-installed operating system

- Windows CE No; Preinstalled system files

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
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Other	
Target devices	Specifically for KTP Mobile Panels 2nd Generation and Comfort Panels, but also for all other panels (except for Classis Panels) and PCs with suitable slot
Note:	Not suitable for MP177, MP277, MP377, Mobile Panel 277, OP77, TP/OP177, TP/OP277 and Mobile Panel 177
Usable in the following products	
• Product 1	6av2124-0*
• Product 2	6av2124-1*
• Product 3	6AV2124-2DC01-0AX0
• Product 4	6AV2125-2G*
• Product 5	6AV2125-2J*
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