

SIMATIC CFast memory card, 30 GB, for IPCs and Open Controller with corresponding slot Further information, quantity and content: See technical data



General information	
Product type designation	CFast memory card
Control elements	
Frame size/design	
<ul style="list-style-type: none"> Standard Flat 	Yes; Serial ATA 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
Power	
Active power input, typ.	1.3 W; Inactive 0.4 W
Memory	
Type of memory	CFast Type I
Design	Multi-level cell (MLC)
Memory size	30 Gbyte; 1 year (data retention)
Speed class	Write speed: up to 45 MBps (UDMA6), read speed: up to 200 MBps (UDMA6)
Write cycles MLC flash	8.8; Terabytes, industrial quality
Standards, approvals, certificates	
CE mark	Yes
EAC (formerly Gost-R)	Yes
RoHS conformity	Yes
Use in hazardous areas	
<ul style="list-style-type: none"> ATEX Zone 2 ATEX Zone 22 IECEX Zone 1 IECEX Zone 11 IECEX Zone 2 IECEX Zone 22 cULus Class I Zone 1 cULus Class I Zone 2, Division 2 cULus Class II Division 2 FM Class I Division 2 	Yes; Always comply with the operating instructions of the target device. Yes; Always comply with the operating instructions of the target device. No No Yes; Always comply with the operating instructions of the target device. Yes; Always comply with the operating instructions of the target device. Yes; Always comply with the operating instructions of the target device. Yes; Always comply with the operating instructions of the target device. Yes; Always comply with the operating instructions of the target device. Yes; Always comply with the operating instructions of the target device. Yes; Always comply with the operating instructions of the target device.

<ul style="list-style-type: none"> • FM Class II Division 2 	Yes; Always comply with the operating instructions of the target device.
Marine approval	
<ul style="list-style-type: none"> • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Korean Register of Shipping (KRS) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) • Polski Rejestr Statkow (PRS) • Chinese Classification Society (CCS) 	<p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p> <p>Yes; Always comply with the operating instructions of the target device.</p>
Ambient conditions	
Suited for indoor use	Yes; Always comply with the operating instructions of the target device.
Suited for outdoor use	No
Ambient temperature during operation	
<ul style="list-style-type: none"> • min. • max. 	<p>-40 °C; Any mounting angle</p> <p>85 °C; Any mounting angle</p>
Ambient temperature during storage/transportation	
<ul style="list-style-type: none"> • min. • max. 	<p>-50 °C</p> <p>100 °C</p>
Relative humidity	
<ul style="list-style-type: none"> • Operation, max. • Condensation permissible 	<p>85 %</p> <p>No</p>
Operating systems	
Runs under operating system	
<ul style="list-style-type: none"> • Windows CE • Windows Vista • Windows XP • Windows 7 • Windows 8 • Windows 10 • Linux 	<p>No</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
Accessories	
Function description	fixed mode, multiple partitions possible
Mechanics/material	
Enclosure material (front) <ul style="list-style-type: none"> • Plastic 	Yes
Dimensions	
Width	42.8 mm
Height	36.4 mm
Thickness	3.6 mm
Weights	
Weight without packaging	10 g
Weight incl. packaging	20 g
Scope of supply	
Delivery quantity in pieces	1
Other	
Merchandise	No
Manufacturer's address	Gleiwitzerstraße 555, 90475 Nuremberg, Germany
Target devices	For SIMATIC HMI devices and IPCs with the appropriate slot
Note:	bootable, real-time capable, error correction, wear leveling, power loss protection and diagnostics-capable
last modified:	3/12/2021 