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Data sheet 6ES7648-2BF10-0XJ0

SIMATIC CFast memory card, 16 GB, for IPCs with corresponding slot
Further information, Quantity and content: see technical data



General information	
Product type designation	CFast memory card
Control elements	
Frame size/design	
● Standard	Yes; Serial ATA
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	3.3 V
Power	
Active power input, typ.	0.7 W; Inactive 0.3 W
Memory	
Type of memory	CFast Type I
Design	SLC NAND flash
Memory size	16 Gbyte; 1 year (data retention)
Speed class	Write speed: up to 60 MB/s (UDMA6), read speed: up to 100 MB/s (UDMA6)
SLC flash write cycles	17; Number of write cycles determines the lifetime - With flash mass storage devices, the maximum number of possible write cycles is limited due to the physical properties of the flash cells. The intelligent data management of the flash controller ensures that the write cycle count of the mass storage device far surpasses the write cycles of a single flash memory cell. To ensure overall performance, it is recommended not use the memory area completely.
Standards, approvals, certificates	
CE mark	Yes
RoHS conformity	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	-40 °C; Any mounting angle
● max.	85 °C; Any mounting angle
Ambient temperature during storage/transportation	
● min.	-50 °C
● max.	100 °C
Relative humidity	
● Operation, max.	85 %
● Condensation permissible	No
Operating systems	
Runs under operating system	

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● Windows CE	No
● Windows Vista	Yes
● Windows XP	No
● Windows 7	Yes
● Windows 8	Yes
● Windows 10	Yes
● Linux	Yes
Accessories	
Function description	fixed mode, multiple partitions possible
Mechanics/material	
Enclosure material (front)	
● Plastic	Yes
Dimensions	
Width	42.8 mm
Height	36.4 mm
Thickness	3.6 mm
Weights	
Weight, approx.	10 g
Weight without packaging	10 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

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