

SIMATIC IPC

Product Data Sheet

6ES7648-2BF10-0XK1

30 GB CFast Memory Card

STORAGE CAPACITY	MEMORY CARD FORMAT	FLASH CELL TECHNOLOGY	NOMINAL CARD SUPPLY
30 GB	CFast Type I	MLC	3.3 V DC; ±5%

Siemens 6ES7648-2BF10-0XK1 is a 30 GB SIMATIC CFast memory card for compatible industrial PCs, HMI devices and Open Controllers with the required card slot. It provides industrial non-volatile storage for the configured host system.

01

VERIFIED TECHNICAL DATA

Storage capacity	30 GB
Memory card format	CFast Type I
Flash cell technology	MLC
Nominal card supply	3.3 V DC; ±5%
Typical power consumption	1.3 W active; 0.4 W idle
Maximum sequential writing	45 MB/s
Maximum sequential reading	200 MB/s
Transfer speed mode	UDMA6
Specified MLC writing endurance	8.8 TB
Specified data retention	1 year

ADDITIONAL PRODUCT DATA

Operating temperature	-40 to 85 deg C; any mounting angle
Storage and transport temperature	-50 to 100 deg C
Maximum operating humidity	85%; non-condensing
Disk configuration mode	Fixed mode; multiple partitions supported
Flash integrity functions	Error correction; wear levelling; power-loss protection; diagnostics

DOCUMENTED USE SETTINGS

Manufacturing and Industrial Production Computing: Manufacturing Process Automation.

Industrial Process Production and Data Management: Chemical Production Data Management.

Warehouse Logistics and Material Flow Management: Warehouse Material Flow Management.

SYSTEM COMPATIBILITY

Install 6ES7648-2BF10-0XK1 only in a target device with a supported CFast slot. Its Type I format and 3.3 V supply must match the host; physical similarity to another memory-card type does not establish compatibility.

PRODUCT EVIDENCE

Siemens exact-article technical data, 6ES7648-2BF10-0XK1