

SuperStore CF Card

- ▶ High-class CompactFlash Card from CSM for industrial applications
- ▶ Write cycles approx. 3,000,000
- ▶ Up to 11 MByte/s write access in UDMA Mode
- ▶ Operating temperature Type AI: - 40°C to +85°C
Operating temperature Type AS: 0°C to +70°C
- ▶ Robust metal housing
- ▶ Automatic ECC-failure correction
- ▶ Wear Leveling
- ▶ 3000 G shock, 30 G vibration
- ▶ Capacities from 32 MByte to 6 GByte
- ▶ 3,3 Volt / 5 Volt power supply
- ▶ Optional: Customized Labeling

Full Metal



With **SuperStore CompactFlash Card Type AI/AS Full Metal** CSM presents a new memory card of the product line SuperStore. The card is perfect for use in industrial applications e.g. in industrial personal computers, machine construction, measurement technology, avionics and telecommunication.

The **SuperStore CompactFlash Card Type AI/AS Full Metal** uses Cheetah Pro Controllers and Samsung NAND Flash. These are very reliable and fast. Each card is tested before delivery. The traceability is guaranteed by a serial number.

Additional to the standard product, CSM offers a number of extra services, like labeling service, customized formatting and programming of the cards.

Product for integration in Embedded Systems: CSM DOS FAT File System

Specification	SuperStore CF Card Type AI/AS Full Metal		
Number of pins:	50		
Capacity:	32 MByte to 4 GByte as Type I, 6 GByte as Type II		
Dimensions:	L:36,4 mm, W:42,8 mm, H:3,3 mm (Type I); H:5,0 mm (Type II)		
Interface:	PC Card ATA and IDE: UDMA & PIO Mode 4		
Access:	Random Access, 512 Byte sector size		
Write access:	up to 11 MByte/s		
Write cycles:	approx. 3,000,000		
MTBF:	3,000,000 h		
Data bus:	8 Bit / 16 Bit		
Insertion cycles:	min. 10,000		
Operating temperature:	Type AI: - 40°C to +85°C	Type AS: 0°C to +70°C	
Humidity:	max. 95%, non-condensing		
DC input voltage: (VCC)	3,3 V or 5 V		
Typical system power requirements:	Read:	Write:	Standby:
	< 20 mA (3,3 V) < 40 mA (5 V)	< 35 mA (3,3 V) < 60 mA (5 V)	approx. 1 mA (3,3 V) approx. 6,5 mA (5 V)
Vibration (peak to peak):	30 G		
Shock operating:	max. 3,000 G		

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