

# SuperStore ATA Card

- ▶ High-class ATA Card from CSM for industrial applications
- ▶ Writing cycles approx. 3,000,000
- ▶ Up to 11 MByte/s in write access
- ▶ Operating temperature: – 40°C to +85°C
- ▶ Robust metal housing
- ▶ Automatic ECC-failure correction
- ▶ Wear Leveling
- ▶ 50 G shock, 20 G vibration
- ▶ Capacities from 32 MByte to 8 GByte
- ▶ 3.3 Volt / 5 Volt power supply
- ▶ Optional: Customized labeling



With **SuperStore ATA Card Type AI Full Metal** CSM presents a new memory card of the product line SuperStore. Due to its extremely robust full metal housing the card is perfect for use in industrial applications with highest demands e.g. in farming machinery, construction and rail vehicles, industrial personal computers, machine construction, medical equipment, measurement technology, avionics and safety systems.

The **SuperStore ATA Card Type AI 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 ATA Card Type AI Full Metal		
Number of pins:	68		
Capacity:	32 MByte to 8 GByte		
Dimensions:	L:85,6 mm, W:54,0 mm, H:5,0 mm (PC Card 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:	- 40°C to +85°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)	< 1 mA (3,3 V) < 6,5 mA (5 V)
Vibration (peak to peak):	20 G		
Shock operating:	max. 50 G		

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