



SuperStore ATA red MX



Product description

The **SuperStore ATA red MX** is a new industrial grade PCMCIA ATA Flash Card which was designed for long-term use in write-intensive industrial applications. The card is perfect for use in industrial applications, e.g. industrial personal computers, machine construction, measurement systems, medical systems, avionics and telecommunication.

The **SuperStore ATA red MX** uses the Macronix 36 nm SLC NAND Flash which is extremely durable and with its long-term availability the perfect choice for every industrial application.

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

Key features

- ▶ **High-class industrial grade PCMCIA ATA Flash Card**
- ▶ **Capacities from 32 MB to 8 GB**
- ▶ **Full Metal housing**
- ▶ **Macronix 36 nm SLC NAND Flash**
- ▶ **Operating temperature: -40 °C to +85 °C**
- ▶ **Advanced defect block management**
- ▶ **Error correction of 4 bit random error / sector**
- ▶ **Dynamic Wear-Leveling**
- ▶ **Long-term availability**
- ▶ **Optional: Customized formatting and labeling**

Technical data

Type designation	SuperStore ATA red MX	
		
Number of pins	68	
Capacity	32 MB to 8 GB	
Dimensions	L: 85.6 mm, W: 54.0 mm, H: 5.0 mm (PC Card Type II)	
Interface	PC Card ATA and IDE: PIO Mode 6, UDMA Mode 4 Multi word DMA Mode 4	
SLC NAND Flash	Macronix 36 nm	
Transfer rate up to	35 MB/s (read) // 16 MB/s (write)	
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	
Typ. system power requirements	at 3.3 V	at 5 V
Read	max. 96 mA	max. 119 mA
Write	max. 90 mA	max. 107 mA
Standby (approach values)	0.2 mA	1.9 mA
Vibration (peak to peak)	20 G	
Shock operating	max. 1500 G	

