SuperStore CF red MX

Product description

The **SuperStore CF red MX** is a new industrial grade CF 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 CF 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 CompactFlash Card conforms to CompactFlash standard 4.1*

▶ *Capacities from 32 MB to 4 GB*

▶ *Full metal housing*

▶ *Macronix 36 nm SLC NAND Flash*

▶ *Advanced defect block management*

▶ *Error correction of 4 bit random error / sector*

▶ *Dynamic Wear-Leveling*

▶ *3000 G shock, 30 G vibration*

▶ *Long-term availability*

▶ *Optional: Customized formatting and labeling*

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Solutions for Professional Applications

Technical data

Type designation	SuperStore CF red MX
Number of pins	50
Capacity	32 MB to 4 GB (Type I)
Dimensions	L: 36.4 mm, W: 42.8 mm, H: 3.3 mm (Type I)
Interface	PC Card ATA und IDE: UDMA4 & PIO Mode 6 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 (type MXI) // 0 °C to +70 °C (type MXS)
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)	30 G
Shock operating	max. 3000 G

CSM GmbH
Computer-Systeme-Messtechnik

Raiffeisenstraße 36 · 70794 Filderstadt · Germany
Phone: +49 711 - 7 79 64-20 · Fax: +49 711 - 7 79 64-40
bucd@csm.de · www.csm.de

CSM GmbH Germany is certified.

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Certified Integrated Quality
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