

Industrial rugged metal CompactFlash card supports operating temperature -40°C ~ 85°C

Features:

- NAND type SLC flash technology
- CompactFlash specification 3.0 compliant
- Card capacity from 16MB up to 8GB
- ATA interface and True IDE mode
- Data transfer supports PIO-4 and UDMA-4
- Performance up to 19.9MB/sec
- Operating temperature -40°C ~ 85°C
- With military-class conformal coating
- 7 years warranty

Rugged Metal Casing



Specifications:

◆ Compatibility	ATAPI-5 and True IDE	
◆ Flash Technology	NAND type SLC flash based	
◆ Form-factor	CompactFlash type I	
● Connector	50 pins	
◆ System Performance		
● Data Transfer Mode	PIO-4 mode or UDMA-4 mode	
● Date Transfer Rate	66.6MB/sec under UDMA-4 mode	
● Sequential Read	19.9MB/sec (64MB file test)	
● Sequential Write	8.7MB/sec (64MB file test)	
● Average Access Time	0.7ms (estimated)	
◆ Environmental Specification		
● Operating Temperature	-40°C ~ 85°C	
● Non-operating Temperature	-50°C ~ 95°C	
● Humidity	5% ~ 95% non-condensing	
● Acoustic Noise	0dB	
● Vibration	15 G, compliance to MIL-STD-810F	
● Shock	1,500G, compliance to MIL-STD-810F	
● Altitude	70,000 feet	
◆ Power Consumption		
● Power Requirement	+5V ± 10%	+3.3V ± 5%
● Reading Mode	69 mA (Max.)	68.5 mA (Max.)
● Writing Mode	71 mA (Max.)	70.6 mA (Max.)
● Standby Mode	61.3 mA (Max.)	60.9 mA (Max.)
● Sleeping Mode	0.84 mA (Max.)	0.56 mA (Max.)



◆ Reliability

- MTBF > 1,000,000 hours
- ECC Enhanced management per 4-bit ECC code
- Endurance > 2,000,000 times; contributed by wear-leveling and advanced bad sector management algorithms
- Data Reliability < 1 non-recoverable error in 10¹⁴ bits read
- Date Retention 10 years

◆ Conformal Coating

MIL-I-46058C silicon conformal coating

◆ Physical Specification

- Weight (MAX.) 15.0g
- Dimension 36.4 * 42.8 * 3.3 mm

◆ Warranty

7 years

Part Number List:

Grade	Operating temperature supports -40°C ~ 85°C			
	PIO-4 mode		UDMA-4 mode	
Type	Removable disk	Fixed disk	Removable disk	Fixed disk
16MB	WRCF016S-DISI-PR	WRCF016S-DISI-PF	WRCF016S-DISI-UR	WRCF016S-DISI-UF
32MB	WRCF032S-DISI-PR	WRCF032S-DISI-PF	WRCF032S-DISI-UR	WRCF032S-DISI-UF
64MB	WRCF064S-DISI-PR	WRCF064S-DISI-PF	WRCF064S-DISI-UR	WRCF064S-DISI-UF
128MB	WRCF128S-DISI-PR	WRCF128S-DISI-PF	WRCF128S-DISI-UR	WRCF128S-DISI-UF
256MB	WRCF256S-DISI-PR	WRCF256S-DISI-PF	WRCF256S-DISI-UR	WRCF256S-DISI-UF
512MB	WRCF512S-DISI-PR	WRCF512S-DISI-PF	WRCF512S-DISI-UR	WRCF512S-DISI-UF
1GB	WRCF01GS-DISI-PR	WRCF01GS-DISI-PF	WRCF01GS-DISI-UR	WRCF01GS-DISI-UF
2GB	WRCF02GS-DISI-PR	WRCF02GS-DISI-PF	WRCF02GS-DISI-UR	WRCF02GS-DISI-UF
4GB	WRCF04GS-DISI-PR	WRCF04GS-DISI-PF	WRCF04GS-DISI-UR	WRCF04GS-DISI-UF
8GB	WRCF08GS-DISI-PR	WRCF08GS-DISI-PF	WRCF08GS-DISI-UR	WRCF08GS-DISI-UF