

# SanDisk® CompactFlash® 5000

**Unmatched Performance  
Highly Rugged**

**Industrial Grade**



## Highlights

With over 17 years of expertise in millions of embedded systems across the globe, SanDisk brings you CompactFlash 5000 you can trust. Using innovative technologies, it delivers outstanding performance alongside high data reliability.

## Application

CompactFlash 5000 provides rugged and reliable data storage solutions for mission-critical applications such as routers, switches, PBX, wearable computers, industrial PCs and point of sale (POS) equipment.

## Main Features and Benefits

### Unmatched Performance

CompactFlash 5000 achieves an outstanding sustained read and write performance rate for industrial grade CompactFlash of up to 30 megabytes/sec. With support for Ultra DMA 4 technology, CompactFlash 5000 enables high data transfer rates, and includes performance boosters such as multi-plane access and on-the-fly error detection.

### Reliable

Our patented technology brings top data integrity to CompactFlash 5000, even in harsh operating conditions. It applies dynamic bad block management, and error detection and correction code (EDC/ECC) to ensure data reliability.

### Built to Last

CompactFlash 5000 performs dynamic and static wear-leveling to distribute data evenly over the entire flash media. CompactFlash 5000 manages sector write/erase cycles to achieve the optimal ratio. Algorithms such as these guarantee that CompactFlash 5000 operates at its original specifications for the entire warranty period.

### Highly Rugged

CompactFlash 5000 can withstand severe weather conditions, shock, high altitude and rigorous vibrations. It complies fully with MIL-STD-810F, meeting the strictest environmental requirements for mission-critical applications.

**SanDisk®**

## Specifications

### Performance<sup>1</sup>

- Sustained Read/Write:  
up to 30MB/sec
- Support for Ultra DMA 4 standard
- PIO Mode 0-6: up to 25MB/sec
- Multiword DMA 0-2:  
up to 16.6 MB/sec

### Form Factor

- CompactFlash Type I

### Configuration Options

Choose either:

- Fixed
- Removable

### Capacity

- 512MB to 8GB

### Flash Management Algorithms

- Dynamic and static wear-leveling
- Advanced EDC/ECC

- Dynamic bad block management
- Optimized write/erase ratio

### Operating Environment

- Shock, vibration and altitude comply with MIL-STD-810F
- Operating temperature
  - Commercial: 0°C to +70°C
  - Extended: -25°C to +85°C
- Storage temperature: -40°C to +95°C
- Humidity: 8% to 95% non-condensing
- Electrostatic Discharge
  - Contact up to 4 KV
  - Air up to 8 KV

### Compliance

- RoHS
- FCC: Class B for Information Technology
- CE: EN 55022/55024

### Warranty

- 5 years

## How to Contact Us

Web: [www.sandisk.com](http://www.sandisk.com)

### USA

tel: +1-408-470-4440  
fax: +1-408-470-4470  
[OEMinfo@sandisk.com](mailto:OEMinfo@sandisk.com)

### Taiwan

tel: +886-2-2515-2522  
fax: +886-2-2515-2295  
[OEMAsia@sandisk.com](mailto:OEMAsia@sandisk.com)

### Korea

tel: +82-2-3452-9079  
fax: +82-2-3452-9145

### Rest of the World

tel: +972-9-764-5000  
fax: +972-3-548-8666

### Japan

tel: +81-3-5423-8101  
fax: +81-3-5423-8102  
[OEMJapan@sandisk.com](mailto:OEMJapan@sandisk.com)

### China

tel: +86-755-83595116  
fax: +86-755-83485418  
[OEMChina@sandisk.com](mailto:OEMChina@sandisk.com)

### Europe

tel: +33-(1)-43-37-2131  
fax: +33-(1)-43-37-2111  
[OEMEurope@sandisk.com](mailto:OEMEurope@sandisk.com)

1. Based on internal testing. Performance may be lower depending upon host device.

1 megabyte (MB) = 1 million bytes; 1 gigabyte (GB) = 1 billion bytes. Some of the listed capacity is used for formatting and other functions, and thus is not available for data storage.

SanDisk and the SanDisk logo are trademarks of SanDisk Corporation, registered in the United States and other countries. Other brand names mentioned herein are for identification purposes only and may be trademarks of their respective holder(s). ©2007 SanDisk Corporation. All rights reserved. 4/07 80-11-01428 REV1