



# WD SILICONDRIVE® II CF

## Advanced Solid State Storage

WD SiliconDrive II products are engineered exclusively for critical storage applications of the embedded and communications markets. Advanced solid state storage technologies integrated into every WD SiliconDrive II CF increase performance and reliability and deliver a low total cost of ownership.

- High performance
- 24x7 reliability
- Low total cost of ownership



### Product Highlights

- Multi-year product service life
- Integrated PowerArmor® and SiSMART® technologies
- Field-proven in thousands of customer applications

### Product Features

#### PowerArmor

Eliminates drive corruption from power disturbances

#### SiSMART

Delivers real-time data on SSD useable life

#### LifeEST™

Methodology forecasts SSD endurance in months or years

#### SolidStor®

Ensures data integrity and multi-year product life

### Markets

- Netcom
- Industrial automation
- Medical
- Video surveillance
- Automotive and transportation

### Applications

- Telecom and networking infrastructure
- Wireless infrastructure
- SAN switches
- Storage appliances
- Diagnostic equipment
- Industrial PCs
- Digital graphics

PUT YOUR LIFE ON IT®



# WD SILICONDRIVE II CF

Specifications <sup>1</sup>			
Model number	SSD-Cxxx(x)-4600		SSD-Cxxx(x)-4500
Formatted capacity range	128 MB to 4 GB		1 GB to 16 GB
Form factor	CF		CF
Interface	PATA, CF ATA-3		PATA, CF ATA-5
RoHS compliant <sup>2</sup>	RoHS 6/6		RoHS 6/6
Performance			
Target Performance			
Interface Burst Speed	Up to 16.7 MB/s		Up to 66 MB/s
Sustained Read Speed	Up to 14 MB/s		Up to 34 MB/s
Sustained Write Speed	Up to 6 MB/s		Up to 19 MB/s
Operational Lifespan = LifeEST™			
Service Life	10 years		10 years
Write (Maximum GB written per day)	-		-
16 GB capacity	-		428
8 GB capacity	-		214
4 GB capacity	107		107
2 GB capacity	53		53
1 GB capacity	27		27
512 MB capacity	14		-
256 MB capacity	7		-
128 MB capacity	3		-
Reliability/Data Integrity			
MTBF (hours)	> 4,000,000		> 1,750,000
Non-recoverable read errors per bits read	<1 in 10 <sup>14</sup>		
Limited warranty <sup>3</sup>	5 years		
Power Management			
DC input voltage	3.3V±10% 5.0±10%		3.3V±10% 5.0±10%
Sleep (standby watts)	0.003 0.0075		0.002 0.0065
Read (peak watts)	0.35 0.62		0.52 0.90
Write (peak watts)	0.36 0.55		0.48 0.74
Environmental			
Operating Temperature			
Standard Temperature (C) <sup>4</sup>	0°C to 70°C		
Extended Temperature (I) <sup>4</sup>	-40°C to 85°C		
Non-Operating Temperature	-55°C to 125°C		
Relative Humidity	8% to 95% non-condensing		
Operating Shock	1000G, Half-sine, 0.5 ms Duration, 50g Pk, MIL-STD-810F, Method 516.5, Procedure I		
Vibration	16.3gRMS, MIL-STD-810F, Method 514.5, Procedure I, Category 24		
Altitude	80,000 ft., MIL-STD-810F, Method 500.4, Procedure II		
Physical Dimensions			
Length (in./mm, max)	1.433/36.4		1.433/36.4
Width (in./mm, ± .01 in.)	1.685/42.8		1.685/42.8
Height (in./mm, max)	0.130/3.3		0.130/3.3
Weight (lb./gm, max)	0.02/9		0.02/9

<sup>1</sup>As used for storage capacity, one megabyte (MB) = one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabit per second (Gb/s) = one billion bits per second.

<sup>2</sup>WD complies with the Restriction of Hazardous Substances (RoHS) Directive 2002/95/EC of the European Parliament, which is effective in the EU beginning July 1, 2006. RoHS aims to protect human health and the environment by restricting the use of certain hazardous substances in new equipment, and consists of restrictions on lead, mercury, cadmium, and other substances.

<sup>3</sup>The term of the limited warranty may vary by region. Visit [support.wdc.com/warranty](http://support.wdc.com/warranty) for details.

<sup>4</sup>T=C (0-70°C) or I (-40°C-85°C)

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#### For service and literature:

<http://support.wd.com>  
[www.wd.com](http://www.wd.com)

800.ASK.4WDC (800.275.4932)	North America
800.832.4778	Spanish
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	(toll free where available)
+31.880062100	Europe/Middle East/Africa



Canada ICES-003 Class B / NMB-003 Classe B



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