



## Physical Disk Information - Disk: #2: WDC WD2001FASS-00W2B0

### Hard Disk Summary

Hard Disk Number	:	2	
Interface	:	S-ATA II	
Disk Controller	:	Standard SATA AHCI Controller (AHCI)	
Disk Location	:	Bus Number 3, Target Id 0, LUN 0	
Hard Disk Model ID	:	WDC WD2001FASS-00W2B0	
Firmware Revision	:	05.01D05	
Hard Disk Serial Number	:	WD-WMAY00491237	
Total Size	:	1907726 MB	
Power State	:	Active	
Logical Drive(s)	:	E: [New Volume]	
Current Temperature	:	50 °C (Overheat)	
Maximum Temperature (Ever Measured)	:	50 °C, 28.10.2014 20:23:54	
Minimum Temperature (Ever Measured)	:	48 °C, 28.10.2014 20:15:09	
Maximum Temperature (During Entire Lifespan)	:	56 °C	
Power On Time	:	1393 days, 20 hours	
Estimated Remaining Lifetime	:	more than 431 days	
Health	:		100 % (Excellent)
Performance	:		100 % (Excellent)

The hard disk status is PERFECT. Problematic or weak sectors were not found and there are no spin up or data transfer errors.

**No actions needed.**

### ATA Information

Hard Disk Cylinders	:	3876021
Hard Disk Heads	:	16
Hard Disk Sectors	:	63
ATA Revision	:	ATA8-ACS
Transport Version	:	SATA Rev 2.6
Total Sectors	:	3907029168
Bytes Per Sector	:	512
Multiple Sectors	:	16
Error Correction Bytes	:	50
Unformatted Capacity	:	1907729 MB
Maximum PIO Mode	:	4
Active PIO Mode	:	4
Maximum Multiword DMA Mode	:	2
Maximum UDMA Mode	:	300 MB/s (6)
Minimum Multiword DMA Transfer Time	:	120 ns
Recommended Multiword DMA Transfer Time	:	120 ns
Minimum PIO Transfer Time Without IORDY	:	120 ns
Minimum PIO Transfer Time With IORDY	:	120 ns
ATA Control Byte	:	Valid
ATA Checksum Value	:	Valid

### Acoustic Management Configuration

Acoustic Management	:	Supported
Acoustic Management	:	Disabled
Current Acoustic Level	:	Max performance and volume (FEh)
Recommended Acoustic Level	:	Min performance and volume (80h)

### ATA Features

Read Ahead Buffer	:	Supported, Enabled
DMA	:	Supported
Ultra DMA	:	Supported
S.M.A.R.T.	:	Supported
Power Management	:	Supported
Write Cache	:	Supported
Host Protected Area	:	Supported
Advanced Power Management	:	Supported, Enabled
Advanced Power Management Level	:	Minimum power consumption without standby (128)
Extended Power Management	:	Not supported
Power Up In Standby	:	Supported
48-Bit LBA Addressing	:	Supported
Device Configuration Overlay	:	Supported
IODY Support	:	Supported
Read/Write DMA Queue	:	Not supported
NOP Command	:	Supported
Trusted Computing	:	Not supported
64-Bit World Wide ID	:	0150E04E68024EAB
Streaming	:	Not supported
Media Card Pass Through	:	Not supported
General Purpose Logging	:	Supported
Error Logging	:	Supported
CFA Feature Set	:	Not supported
CFast Device	:	Not supported
Long Physical Sectors (1)	:	Not supported
Long Logical Sectors	:	Not supported
Write-Read-Verify	:	Not supported
NV Cache Feature	:	Not supported
NV Cache Power Mode	:	Not supported
NV Cache Size	:	Not supported
Free-fall Control	:	Not supported
Free-fall Control Sensitivity	:	Not supported

### SSD Features

Data Set Management	:	Not supported
TRIM Command	:	Not supported
Deterministic Read After TRIM	:	Not supported

### S.M.A.R.T. Details

Off-line Data Collection Status	:	Suspended By Interrupting Command From Host
Self Test Execution Status	:	Successfully Completed
Total Time To Complete Off-line Data Collection	:	30000 seconds
Execute Off-line Immediate	:	Supported
Abort/restart Off-line By Host	:	Not supported

Off-line Read Scanning	: Supported
Short Self-test	: Supported
Extended Self-test	: Supported
Conveyance Self-test	: Supported
Selective Self-Test	: Supported
Save Data Before/After Power Saving Mode	: Supported
Enable/Disable Attribute Autosave	: Supported
Error Logging Capability	: Supported
Short Self-test Estimated Time	: 2 minutes
Extended Self-test Estimated Time	: 305 minutes
Conveyance Self-test Estimated Time	: 5 minutes
Last Short Self-test Result	: Never Started
Last Short Self-test Date	: Never Started
Last Extended Self-test Result	: Never Started
Last Extended Self-test Date	: Never Started
Last Conveyance Self-test Result	: Never Started
Last Conveyance Self-test Date	: Never Started

### Security Mode

Security Mode	: Supported
Security Erase	: Supported
Security Erase Time	: 306 minutes
Security Enhanced Erase Feature	: Supported
Security Enhanced Erase Time	: 306 minutes
Security Enabled	: No
Security Locked	: No
Security Frozen	: Yes
Security Counter Expired	: No
Security Level	: High

### Serial ATA Features

S-ATA Compliance	: Yes
S-ATA I Signaling Speed (1.5 Gps)	: Supported
S-ATA II Signaling Speed (3 Gps)	: Supported
S-ATA Gen3 Signaling Speed (6 Gps)	: Not supported
Receipt Of Power Management Requests From Host	: Supported
PHY Event Counters	: Supported
Non-Zero Buffer Offsets In DMA Setup FIS	: Not supported
DMA Setup Auto-Activate Optimization	: Supported, Disabled
Device Initiating Interface Power Management	: Not supported
In-Order Data Delivery	: Not supported
Asynchronous Notification	: Not supported
Software Settings Preservation	: Supported, Enabled
Native Command Queuing (NCQ)	: Supported
Queue Length	: 32

### Disk Information

Disk Family	: Caviar Black
Form Factor	: 3.5"
Capacity	: 2000 GB (2000 x 1 000 000 000 bytes)
Number Of Disks	: 4
Number Of Heads	: 8

Rotational Speed : 7200 RPM  
 Rotation Time : 8,33 ms  
 Average Rotational Latency : 4,17 ms  
 Disk Interface : Serial-ATA/300  
 Buffer-Host Max. Rate : 300 MB/seconds  
 Buffer Size : 65536 KB  
 Drive Ready Time (Typical) : 21 seconds  
 Average Seek Time : ? ms  
 Track To Track Seek Time : ? ms  
 Full Stroke Seek Time : ? ms  
 Width : 101,6 mm (4,0 inch)  
 Depth : 147,0 mm (5,8 inch)  
 Height : 25,4 mm (1,0 inch)  
 Weight : 750 grams (1,7 pounds)  
 Acoustic (Idle) : 2,9 Bel  
 Acoustic (Min Performance And Volume) : 3,0 Bel  
 Acoustic (Max Performance And Volume) : 3,4 Bel  
 Required Power For Spinup : 1 515 mA  
 Power Required (Seek) : 10,7 W  
 Power Required (Idle) : 8,2 W  
 Power Required (Standby) : 1,3 W  
 Manufacturer : Western Digital Corporation  
 Manufacturer Website : <http://www.westerndigital.com/en/products>

#### S.M.A.R.T.

No.	Attribute	Threshold	Value	Worst	Data	Status	Flags
1	Raw Read Error Rate	51	200	200	000000000000	OK	Self Preserving, Error-Rate, Performance, Statistical, Critical
3	Spin Up Time	21	144	141	0000000039AE	OK	Self Preserving, Performance, Statistical, Critical
4	Start/Stop Count	0	100	100	000000000094	OK (Always passing)	Self Preserving, Event Count, Statistical
5	Reallocated Sectors Count	140	200	200	000000000000	OK	Self Preserving, Event Count, Statistical, Critical
7	Seek Error Rate	0	200	200	000000000000	OK (Always passing)	Self Preserving, Error-Rate, Performance, Statistical
9	Power On Time Count	0	55	55	0000000082AC	OK (Always passing)	Self Preserving, Event Count, Statistical
10	Spin Retry Count	0	100	100	000000000000	OK (Always passing)	Self Preserving, Event Count, Statistical
11	Drive Calibration Retry Count	0	100	100	000000000000	OK (Always passing)	Self Preserving, Event Count, Statistical
12	Drive Power Cycle	0	100	100	000000000068	OK (Always	Self Preserving,

	Count					passing)	Event Count, Statistical
192	Power off Retract Cycle Count	0	200	200	000000000018	OK (Always passing)	Self Preserving, Event Count, Statistical
193	Load/Unload Cycle Count	0	134	134	000000030F48	OK (Always passing)	Self Preserving, Event Count, Statistical
194	Disk Temperature	0	102	96	000000000032	OK (Always passing)	Self Preserving, Statistical
196	Reallocation Event Count	0	200	200	000000000000	OK (Always passing)	Self Preserving, Event Count, Statistical
197	Current Pending Sector Count	0	200	200	000000000000	OK (Always passing)	Self Preserving, Event Count, Statistical
198	Off-Line Uncorrectable Sector Count	0	200	200	000000000000	OK (Always passing)	Self Preserving, Event Count
199	Ultra ATA CRC Error Count	0	200	200	000000000000	OK (Always passing)	Self Preserving, Event Count, Statistical
200	Write Error Rate	0	200	200	000000000001	OK (Always passing)	Error-Rate