

### General Information

Drive Controller:	Serial ATA 6Gb/s @ 3Gb/s <-> USB
Host Controller:	Innoster, PID=0621
Drive Model:	SPCC Solid State Disk
Drive Firmware Revision:	HT3418C3
Drive Serial Number:	AA230815S325608994
World Wide Name:	0000
Drive Capacity:	488,386 MBytes (512 GB)
Media Rotation Rate:	SSD Drive (Non-rotating)
Nominal Form Factor:	2.5"
ATA Major Version Supported:	ATA/ATAPI-5, ATA/ATAPI-6,
ATA/ATAPI-7, ATA8-ACS, ACS-2, ACS-3, ACS-4	
ATA Minor Version Supported:	ACS-4 Revision 5
ATA Transport Version Supported:	SATA 3.2

### Drive Geometry

Number of Cylinders:	16383
Number of Heads:	16
Sectors Per Track:	63
Number of Sectors:	16514064
Total 48-bit LBA Sectors:	1000215216
Logical Sector Size:	512 Bytes
Cache Buffer Size:	N/A

### Transfer Modes

Sectors Per Interrupt:	Total: 8, Active: 1
Max. PIO Transfer Mode:	4
Multiword DMA Mode:	Total: 2, Active: -
Singleword DMA Mode:	Total: -, Active: -
Ultra-DMA Mode:	Total: 6 (ATA-133), Active: 6
(ATA-133)	
Max. Multiword DMA Transfer Rate:	16.7 MBytes/s
Max. PIO with IORDY Transfer Rate:	16.7 MBytes/s
Max. PIO w/o IORDY Transfer Rate:	16.7 MBytes/s
Native Command Queuing:	Supported, Max. Depth: 32
TRIM Command:	Supported (Indeterminate Read
After TRIM)	

### Device flags

Fixed Drive:	Present
Removable Drive:	Not Present
Magnetic Storage:	Present
LBA Mode:	Supported
DMA Mode:	Supported

IORDY:	Supported
IORDY Disableable:	Supported
Features	
Write Cache:	Present, Active
S.M.A.R.T. Feature:	Present, Active
Security Feature:	Present, Inactive
Removable Media Feature:	Not Present, Disabled
Power Management:	Present, Active
Advanced Power Management:	Not Present, Inactive
Packet Interface:	Not Present, Disabled
Look-Ahead Buffer:	Present, Active
Host Protected Area:	Not Present, Enabled
Power-Up In Standby:	Not Supported, Inactive
Automatic Acoustic Management:	Not Supported, Inactive
48-bit LBA:	Supported, Active
Host-Initiated Link Power Management (HIPM):	Not Supported
Device-Initiated Link Power Management (DIPM):	Not Supported
In-Order Data Delivery:	Not Supported
Hardware Feature Control:	Not Supported
Software Settings Preservation:	Supported, Enabled
NCQ Autosense:	Not Supported
Link Power State Device Sleep:	Not Supported
Hybrid Information Feature:	Not Supported
Rebuild Assist:	Not Supported
Power Disable:	Not Supported
Zoned Device ATA Command Set:	Not Supported
All Write Cache Non-Volatile:	Not Supported
Extended Number of User Addressable Sectors:	Not Supported
CFast Specification:	Not Supported
NCQ Priority Information:	Not Supported
Host Automatic Partial to Slumber Transitions:	Supported
Device Automatic Partial to Slumber Transitions:	Supported
NCQ Streaming:	Not Supported
NCQ Queue Management Command:	Not Supported
DevSleep to Reduced Power State:	Not Supported
Out Of Band Management Interface:	Not Supported
Extended Power Conditions Feature:	Not Supported
Sense Data Reporting Feature:	Not Supported
Free-Fall Control Feature:	Not Supported
Write-Read-Verify Feature:	Not Supported
Security	
Security Feature:	Supported

Security Status:	Disabled
Security Locked:	Disabled
Security Frozen:	Disabled
Enhanced Security Erase:	Supported
Sanitize Feature:	Supported
Sanitize Device - Crypto Scramble:	Not Supported
Sanitize Device - Overwrite:	Not Supported
Sanitize Device - Block Erase:	Supported
Sanitize Device - Antifreeze Lock:	Not Supported
Device Encrypts All User Data:	Not Supported
Trusted Computing:	Not Supported

#### Self-Monitoring, Analysis and Reporting Technology (S.M.A.R.T.)

[01] Raw Read Error Rate:	100/50, Worst: 100
[05] Reallocated Sector Count:	100/50, Worst: 100
[09] Power-on Hours/Cycle Count:	100/50, Worst: 100
[0C] Power Cycle Count:	100/50, Worst: 100 (Data = 78, 0)
[A0] Uncorrectable Sector Count When Read/Write:	100/50, Worst: 100
[A1] Number of Valid Spare Blocks:	100/50, Worst: 100 (Data = 78, 0)
[A3] Number of Initial Invalid Blocks:	100/50, Worst: 100 (Data = 134, 0)
[A4] Total Erase Count:	100/50, Worst: 100
[A5] Maximum Erase Count:	100/50, Worst: 100
[A6] Minimum Erase Count:	100/50, Worst: 100
[A7] Average Erase Count:	100/50, Worst: 100
[A8] Maximum Erase Count of Spec:	100/50, Worst: 100
[A9] Remaining Life:	100/50, Worst: 100 (Data = 100, 0)
[AF] Program Fail Count In Worst Die:	100/50, Worst: 100
[B0] Erase Fail Count In Worst Die:	100/50, Worst: 100
[B1] Total Wear Level Count:	100/50, Worst: 100
[B2] Runtime Invalid Block Count:	100/50, Worst: 100
[B5] Program Fail Count (Total):	100/50, Worst: 100
[B6] Erase Fail Count (Total):	100/50, Worst: 100
[C0] Power-Off Retract Count:	100/50, Worst: 100 (Data = 78, 0)
[C2] Temperature:	100/50, Worst: 100 (40.0 °C)
[C3] Hardware ECC Recovered:	100/50, Worst: 100
[C4] Reallocation Event Count:	100/50, Worst: 100
[C5] Current Pending Sector Count:	100/50, Worst: 100
[C6] Off-Line Uncorrectable Sector Count:	100/50, Worst: 100
[C7] SATA CRC Error Count:	100/50, Worst: 100
[E8] Available Reserved Space:	100/50, Worst: 100 (Data = 78, 0)
[F1] Total Host Writes:	100/50, Worst: 100

[F2] Total Host Reads: 100/50, Worst: 100

Drive Remaining Life 100%

Device Statistics

Lifetime Power-On Resets: 78

Power-on Hours: 0

Logical Sectors Written: 0

Logical Sectors Read: 0

Number of Write Commands: 0

Number of Read Commands: 745