Vi500 SATA III 2.5" Internal SSDs

Verbatim's Vi500 SATA III 2.5" Internal SSDs are an ideal choice for transforming the performance of any hard drive-based PC or laptop computer. Featuring the SATA III interface, the Vi500 Internal SSDs boast transfer speeds of up to 550 MB/s read and up to 460 MB/s write*. With transfer speeds far superior to mechanical hard drives, get ready to experience decreased system boot time, more efficient multi-tasking, and faster system responsiveness. Available in a wide range of capacities, the Vi500 Internal SSDs give you the flexibility you need for files, pictures, video, and software storage. These SSDs utilize cutting-edge 3D NAND flash technology along with an industry renowned Marvell controller to deliver lightning-fast and reliable SSD performance. Backed by Verbatim's 3-year limited warranty, the Vi500 SATA III 2.5" Internal SSDs are an ideal choice for upgrading your hard drive-based system.

Features & Benefits

- Ideal option for upgrading hard drive-based PC or laptop computer
- Lightning-fast data transfer – up to 550 MB/s read and up to 460 MB/s write*
- Available in 120GB, 240GB and 480GB
- Cutting-edge 3D NAND flash technology
- Marvell controller
- 3-year limited warranty

Part No.	Description
70022	120GB Vi500 SATA III 2.5" Internal SSD
70023	240GB Vi500 SATA III 2.5" Internal SSD
70024	480GB Vi500 SATA III 2.5" Internal SSD

*Sequential transfer speeds based on internal testing using ATTO benchmark. Actual performance may vary depending on host computer environment and use conditions. Transfer speeds are capacity dependent – see spec sheet for additional details.

Product Name:	Vi500 S.3 2.5" SSD		
Reorder Number:	**70022**	**70023**	**70024**
Capacity:	120GB	240GB	480GB
Unformatted Capacity:	111.79GB	223.57GB	447.13GB
Host Interface:	Serial ATA Interface of 6.0Gbps. Complies with ATA/ATAPI-8. Supports NCQ. Supports TRIM.	Serial ATA Interface of 6.0Gbps. Complies with ATA/ATAPI-8. Supports NCQ. Supports TRIM.	Serial ATA Interface of 6.0Gbps. Complies with ATA/ATAPI-8. Supports NCQ. Supports TRIM.
Form Factor:	2.5" 7mm	2.5" 7mm	2.5" 7mm
Read Host Performance Data Transfer (ATTO):	Up to 485 MB/s	Up to 500 MB/s	Up to 550 MB/s
Write Host Performance Data Transfer (ATTO):	Up to 375 MB/s	Up to 410 MB/s	Up to 460 MB/s
Controller:	Marvell 88NV1120*	Marvell 88NV1120*	Marvell 88NV1120*
Flash:	3D NAND	3D NAND	3D NAND
IOPS Random Read (4K) QD=32 (Max):	31,488	31,488	31,744
IOPS Random Write (4K) QD=32 (Max):	51,200	51,200	59,392
System Reliability (MTBF):	1,500,000 Hours	1,500,000 Hours	1,500,000 Hours
Endurance: TBW (Terabytes Written):	60TB	120TB	240TB
Sequential Read Power Consumption:	960mW	1100mW	1650mW
Sequential Write Power Consumption:	975mW	1200mW	1800mW
Random Read Power Consumption:	790mW	1150mW	1400mW
Random Write Power Consumption:	710mW	750mW	850mW
Idle Power Consumption:	350mW	370mW	475mW
Operating Temperature:	0°C to 70°C	0°C to 70°C	0°C to 70°C
Non-Operating Temperature:	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Humidity:	5% to 95%, non-condensing	5% to 95%, non-condensing	5% to 95%, non-condensing
Shock:	1500G, duration 0.5ms Half Sin Wave	1500G, duration 0.5ms Half Sin Wave	1500G, duration 0.5ms Half Sin Wave
Vibration:	7~800Hz, 3.08Grms, 30min/ axis (X,Y,Z)	7~800Hz, 3.08Grms, 30min/ axis (X,Y,Z)	7~800Hz, 3.08Grms, 30min/ axis (X,Y,Z)
Drive Dimensions (LxWxH):	100.5mm x 69.9mm x 7mm	100.5mm x 69.9mm x 7mm	100.5mm x 69.9mm x 7mm
Weight:	45 grams	45 grams	45 grams
Warranty:	3 Year Limited Warranty**	3 Year Limited Warranty**	3 Year Limited Warranty**
Compliance:	RoHS, REACH, FCC, CE	RoHS, REACH, FCC, CE	RoHS, REACH, FCC, CE
Disclaimer:	These SSD are intended for use in client PC applications, and are not intended for server environments. Specifications are based on internal Verbatim testing. These specifications may change without notice.		

*Controller model may vary
**Limited warranty is 3 years or up to the TBW rating on this spec sheet. See full details at www.verbatim.com