

# Vi550 SATA III 2.5" Internal SSDs

Verbatim's Vi550 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 Vi550 Internal SSDs boast transfer speeds of up to 560 MB/s read and up to 535 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 Vi550 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 Phison controller to deliver lightning-fast and reliable SSD performance. Backed by Verbatim's 3-year limited warranty, the Vi550 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 560 MB/s read and up to 535 MB/s write\*
- Available in 128GB, 256GB, 512GB and 1TB
- Cutting-edge 3D NAND flash technology
- Phison controller
- 3-year limited warranty



Part No.	Description
49350	128GB Vi550 SATA III 2.5" Internal SSD
49351	256GB Vi550 SATA III 2.5" Internal SSD
49352	512GB Vi550 SATA III 2.5" Internal SSD
70077	1TB Vi550 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:	Vi550 S3 2.5" SSD			
Reorder Number:	49350	49351	49352	70777
Capacity:	128GB	256GB	512GB	1TB
Host Interface:	SATA Revision 3.2. SATA 1.5 Gbps, 3Gbps, and 6Gbps interface	SATA Revision 3.2. SATA 1.5 Gbps, 3Gbps, and 6Gbps interface	SATA Revision 3.2. SATA 1.5 Gbps, 3Gbps, and 6Gbps interface	SATA Revision 3.2. SATA 1.5 Gbps, 3Gbps, and 6Gbps interface
Form Factor:	2.5" 7mm	2.5" 7mm	2.5" 7mm	2.5" 7mm
Read Host Performance Data Transfer (ATTO):	Up to 560 MB/s	Up to 560 MB/s	Up to 560 MB/s	Up to 560 MB/s
Write Host Performance Data Transfer (ATTO):	Up to 430 MB/s	Up to 460 MB/s	Up to 535 MB/s	Up to 535 MB/s
Controller:	Phison PS3111*	Phison PS3111*	Phison PS3111*	Phison PS3111*
Flash:	3D NAND	3D NAND	3D NAND	3D NAND
Read IOPS Random (4K) QD=32 (Max):	61,279	64,784	75,413	71,262
Write IOPS Random (4K) QD=32 (Max):	81,727	85,901	86,756	85,241
System Reliability (MTBF):	2,000,000 Hours	2,000,000 Hours	2,000,000 Hours	2,000,000 Hours
TBW Rating:	75TB	150TB	360TB	480TB
Active Read Power Consumption:	1250mW	1310mW	1430mW	1690mW
Active Write Power Consumption:	1280mW	1330mW	1670mW	2475mW
Idle Power Consumption:	306mW	315mW	320mW	385mW
Operating Temperature:	0°C to 70°C	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	-40°C to 85°C
Humidity:	RH 90% under 40°C (operational)	RH 90% under 40°C (operational)	RH 90% under 40°C (operational)	RH 90% under 40°C (operational)
Shock:	1500G, duration 0.5ms Half Sine Pulse	1500G, duration 0.5ms Half Sine Pulse	1500G, duration 0.5ms Half Sine Pulse	1500G, duration 0.5ms Half Sine Pulse
Vibration:	20Hz~80Hz/1.52mm frequency/displacement. 80Hz~2000Hz/20G frequency/acceleration, X,Y,Z axis 60 minutes orientation	20Hz~80Hz/1.52mm frequency/displacement. 80Hz~2000Hz/20G frequency/acceleration, X,Y,Z axis 60 minutes orientation	20Hz~80Hz/1.52mm frequency/displacement. 80Hz~2000Hz/20G frequency/acceleration, X,Y,Z axis 60 minutes orientation	20Hz~80Hz/1.52mm frequency/displacement. 80Hz~2000Hz/20G frequency/acceleration, X,Y,Z axis 60 minutes orientation
Drive Dimensions (LxWxH):	100mm x 69.9mm x 7mm	100mm x 69.9mm x 7mm	100mm x 69.9mm x 7mm	100mm x 69.9mm x 7mm
Warranty:	3 Year Limited Warranty**	3 Year Limited Warranty**	3 Year Limited Warranty**	3 Year Limited Warranty**
Compliance:	RoHS, SATA III (SATA Rev. 3.2), Up to ATA/ATAPI-8 (Including S.M.A.R.T)	RoHS, SATA III (SATA Rev. 3.2), Up to ATA/ATAPI-8 (Including S.M.A.R.T)	RoHS, SATA III (SATA Rev. 3.2), Up to ATA/ATAPI-8 (Including S.M.A.R.T)	RoHS, SATA III (SATA Rev. 3.2), Up to ATA/ATAPI-8 (Including S.M.A.R.T)
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](http://www.verbatim.com)