



Vi3000 PCIe NVMe M.2 Internal SSDs

Verbatim's Vi3000 PCIe NVMe M.2 2280 Internal SSDs are designed for users who demand the ultimate in speed and performance. Thanks to the PCIe NVMe Gen 3.0 x4 interface, you can enjoy blazing fast data transfer speeds, up to 6x faster than SATA-based SSDs. Transfer multiple or large files with ease with read speeds up to 3000MB/s and write speeds up to 2900MB/s.* The small M.2 2280 form factor saves space without sacrificing performance, even with limited chassis or motherboard space. Transform the performance of your desktop or laptop and enjoy decreased system boot time, more efficient multi-tasking, and faster system responsiveness. Verbatim's Vi3000 PCIe NVMe M.2 2280 Internal SSDs are backed by a 5-year limited warranty or up to the TBW rating.**

Features & Benefits

- Blazing fast data transfer – up to 3000MB/s read and 2900MB/s write*
- PCIe NVMe Gen 3.0 x4 interface is up to 6x faster than SATA-based SSDs (not compatible with SATA interface)
- Faster system boot-up, decreased load times and increased system reliability
- Low power consumption and small form factor – ideal for laptop use
- Quick and easy installation – installation guide included
- Available in 256GB, 512GB, 1TB and 2TB
- 5-year limited warranty or up to TBW rating**

Part No.	Description
70871	256GB Vi3000 PCIe NVMe M.2 2280 Internal SSD
70872	512GB Vi3000 PCIe NVMe M.2 2280 Internal SSD
70873	1TB Vi3000 PCIe NVMe M.2 2280 Internal SSD
70874	2TB Vi3000 PCIe NVMe M.2 2280 Internal SSD

*Sequential transfer speeds based on internal testing using ATTO benchmark. Actual performance may vary depending on host computer environment, and use conditions.

**See spec sheet for details

Product Name:	Vi3000 PCIe NVMe M.2 2280 Internal SSD			
Reorder Number:	70871	70872	70873	70874
Capacity:	256GB	512GB	1TB	2TB
Host Interface:	PCIe Gen 3.0 x4	PCIe Gen 3.0 x4	PCIe Gen 3.0 x4	PCIe Gen 3.0 x4
Form Factor:	M.2 2280	M.2 2280	M.2 2280	M.2 2280
Connector Key Type:	M-key	M-key	M-key	M-key
NVMe:	NVMe 1.3	NVMe 1.3	NVMe 1.3	NVMe 1.3
Read Host Performance Data Transfer (ATTO):	Up to 3000 MB/s	Up to 3000 MB/s	Up to 3000 MB/s	Up to 3000 MB/s
Write Host Performance Data Transfer (ATTO):	Up to 2900 MB/s	Up to 2900 MB/s	Up to 2900 MB/s	Up to 2900 MB/s
Flash:	3D NAND	3D NAND	3D NAND	3D NAND
Read IOPS Random (4K) QD=32 (Max):	150,000	210,000	215,000	230,000
Write IOPS Random (4K) QD=32 (Max):	240,000	380,000	390,000	390,000
System Reliability (MTBF):	1,500,000 Hours	1,500,000 Hours	1,500,000 Hours	1,500,000 Hours
Endurance (TBW Rating):	150TB	300TB	600TB	1200TB
Error Correction Code:	LDPC (Low Density Parity Check) of ECC Algorithm	LDPC (Low Density Parity Check) of ECC Algorithm	LDPC (Low Density Parity Check) of ECC Algorithm	LDPC (Low Density Parity Check) of ECC Algorithm
Active Read Power Consumption (Max):	3510mW	3570mW	3750mW	3820mW
Active Write Power Consumption (Max):	2580mW	3300mW	3670mW	3740mW
Active Read Power Consumption (Avg):	3450mW	3520mW	3680mW	3750mW
Active Write Power Consumption (Avg):	2500mW	3200mW	3500mW	3620mW
Idle Power Consumption:	<70mW	<70mW	<70mW	<70mW
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:	5% to 90%, non-condensing	5% to 90%, non-condensing	5% to 90%, non-condensing	5% to 90%, non-condensing
Shock:	1500G, non-operational	1500G, non-operational	1500G, non-operational	1500G, non-operational
Vibration:	20Hz~80Hz/1.52mm frequency/displacement, 80Hz~2000Hz/20G frequency/acceleration	20Hz~80Hz/1.52mm frequency/displacement, 80Hz~2000Hz/20G frequency/acceleration	20Hz~80Hz/1.52mm frequency/displacement, 80Hz~2000Hz/20G frequency/acceleration	20Hz~80Hz/1.52mm frequency/displacement, 80Hz~2000Hz/20G frequency/acceleration
Drop:	80cm free fall (height of fall)	80cm free fall (height of fall)	80cm free fall (height of fall)	80cm free fall (height of fall)
Warranty:	5 Year Limited Warranty*	5 Year Limited Warranty*	5 Year Limited Warranty*	5 Year Limited Warranty*
Compliance:	CE, FCC, RoHS, WHQL, PCI Express Base 3.1, NVMe 1.3	CE, FCC, RoHS, WHQL, PCI Express Base 3.1, NVMe 1.3	CE, FCC, RoHS, WHQL, PCI Express Base 3.1, NVMe 1.3	CE, FCC, RoHS, WHQL, PCI Express Base 3.1, NVMe 1.3
Disclaimers:	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.			
	*Limited warranty is 5 years or up to the TBW rating on this spec sheet. See full details at www.verbatim.com			