# Vi560 M.2 SATA III Internal SSDs

Verbatim's Vi560 M.2 SATA III 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 Vi560 Internal SSDs boasts transfer speeds of up to 560 MB/s read and up to 520 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 Vi560 Internal SSDs give you the flexibility you need for files, pictures, videos, and software storage. These SSDs utilise cutting-edge 3D NAND flash technology along with an industry renowned controller to deliver lightning-fast and reliable SSD performance. Backed by Verbatim's 3-year limited warranty, the Vi560 M.2 SATA III 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
  - 512GB & 1TB – up to 560 MB/s read and up to 520 MB/s write*
  - 256GB – up to 560 MB/s read and up to 460 MB/s write*
- Available in 256GB, 512GB and 1TB
- Cutting-edge 3D NAND flash technology
- Industry renowned controller
- 3-year limited warranty




| Part # | Description |
|---|---|
| 49362 | M.2 SATA III 2280 Internal SSD 256GB (Vi560) |
| 49363 | M.2 SATA III 2280 Internal SSD 512GB (Vi560) |
| 49364 | M.2 SATA III 2280 Internal SSD 1TB (Vi560) |

*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: | Vi560 M.2 SATA III Internal SSD | | |
|---|---|---|---|
| **Reorder Number:** | **49362** | **49363** | **49364** |
| Capacity: | 256GB | 512GB | 1TB |
| Host Interface: | Serial ATA Interface 6.0 Gbps | Serial ATA Interface 6.0 Gbps | Serial ATA Interface 6.0 Gbps |
| Form Factor: | M.2 2280 | M.2 2280 | M.2 2280 |
| Read Host Performance Data Transfer (ATTO): | Up to 560 MB/s | Up to 560 MB/s | Up to 560 MB/s |
| Write Host Performance Data Transfer (ATTO): | Up to 460 MB/s | Up to 520 MB/s | Up to 520 MB/s |
| Flash: | 3D NAND | 3D NAND | 3D NAND |
| Read IOPS Random (4K) QD=32 (Max): | 102,400 | 101,376 | 102,000 |
| Write IOPS Random (4K) QD=32 (Max): | 80,000 | 80,400 | 102,000 |
| System Reliability (MTBF): | 1,500,000 Hours | 1,500,000 Hours | 1,500,000 Hours |
| TBW Rating: | 120TB | 240TB | 512TB |
| Active Read Power Consumption: | 920mW | 1290mW | 1430mW |
| Active Write Power Consumption: | 960mW | 1360mW | 1400mW |
| Idle Power Consumption: | 450mW | 600mW | 620mW |
| 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 Sine Pulse | 1500G, duration 0.5ms Half Sine Pulse | 1500G, duration 0.5ms Half Sine Pulse |
| Vibration: | 7~800Hz, 3.08Grms, 30 min/axis (X,Y,Z) | 7~800Hz, 3.08Grms, 30 min/axis (X,Y,Z) | 7~800Hz, 3.08Grms, 30 min/axis (X,Y,Z) |
| Drive Dimensions (LxWxH): | 80 x 22.1 x 2.3 mm | 80 x 22.1 x 2.3 mm | 80 x 22.1 x 2.3 mm |
| 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) |
| 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