VisionTek

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VisionTek 1.0TB Go Drive Low Profile 7mm SSD

VisionTek Part Number 900781

For Windows®, Mac® OS X®, and Linux® based computers

When your definition of high-performance means both speed and reliability, the Go Drive SSD series is the answer.

Engineered for long-term real-world use, you'll experience speeds up to 550MB/s read and 459MB/s write, up to 100x greater data reliability than a costly Enterprise class HDD, and access times up to 50x faster than a conventional HDD. It's SATA 6G ready, but backward compatible with SATA 3G and 1.5G machines too making a 1.0TB Go Drive SSD the upgrade solution for everything from a desktop workhorse to the latest ultra-thin laptop.

The Go Drive is perfect for:
- Power Users
- Home Offices
- Gamers
- Digital Photographers
- Creative Professionals

Designed For Real World Use

Because it features a Silicon Motion Controller and tier one high-performance NAND flash, the 1.0TB Go Drive Low Profile SSD is designed to deliver top speeds with the files you utilize daily…videos, mp3s, graphics files, and zip files. While these files are compressed, the 1.0TB Go Drive's controller doesn't slow down while processing them like other controllers do.

Fits Any Portable Computer

Whether you have a rugged full-sized laptop or travel light with an ultrabook, the 1.0TB Go Drive Low Profile SSD will fit your machine. It's 2.5" 7mm low profile form factor is ideal for modern computer designs, while the included adapter makes it fit perfectly in machines that require a 9.5mm height drive. Of course, with an aftermarket 2.5" to 3.5" adapter, the 1.0TB Go Drive Low Profile SSD can also be used in a desktop computer.

Key Features

- **No moving parts:** Silent, cool, energy efficient operation.
- **Tough:** Excellent shock, vibration, and temperature resistance.
- **Fast:** Access time up to 50x faster than HDD.
- **Flexible:** Designed to deliver SATA 6G speeds, yet backward compatible to SATA 3G and 1.5G.
- **Efficient:** Optimized for low power consumption for longer "unplugged" computer use.
- **Reliable:** Advanced dynamic global wear-levelling and bad block management.
- **Use with nearly any computer:** Compatible with Windows, Mac, and Linux systems with a USB 3.0/2.0 interface.
- **US Made & Supported:** Designed and built in the US with the highest quality components and backed by free lifetime US-based Tek support.
- **TAA Compliant:** Assures government contractors and government buyers this product is assembled in the U.S.A and is in compliance with the Trade Agreements Act.

Operating System Requirements

PC: Windows® XP/Vista/Windows 7/Windows 8/Windows 8.1, Linux
Mac: Mac OS X®

Specifications

Sustained Peak Data Rates: Up to 550MB/s (read), 459MB/s (write)
4KB Random Write: Up to 74K IOPS
Controller: Silicon Motion (SMI) 2246EN
Capacity: 1.0TB (1024GB) total flash memory*
NAND Flash Memory Type: Tier 1 asynchronous MLC
Form Factor: 2.5" 7.0mm height
Interface: SATA 3.0 compliant to support SATA 6Gb/s, 3Gb/s and 1.5Gb/s applications
Format: Unformatted
Key Technology Features: S.M.A.R.T. reporting technology, global wear levelling, early weak block retirement
Native Command Queuing (NCQ): Up to 32 commands
ECC Recovery: Up to 66 bits correctable per 1024 byte sector (BCH)
Security: Chip Based Data Encryption: 128-bit AES-compliant
Nonrecoverable Read Errors: Less than 1 sector per 1016 bits read
Trim Support: OS Dependent
Interfaces: 1 x Serial ATA-600 - 7 pin Serial ATA
Compatible Bays: 1 x internal - 2.5"
Size: .37" (D) x 2.6" (W) x 3.9" (H)
Weight: .26lbs
Certifications: CE/FCC/RoHS
Included Accessories: 2.5mm spacer to allow drive to better fit in a 9.5mm space
Warranty: Three years

*Capacity stated is unformatted. The total formatted capacity for the drive will vary depending on the operating system and file system used.