

VisionTek®

VisionTek PRO XTS 7mm 2.5" SSD

The VisionTek PRO Series 2.5" 7mm SSD is designed to bring ultra-fast, reliable storage to PC users. With the shift from the hard disk drive to the solid state drive the VisionTek PRO Series SSDs are a drop-in replacement option for the hard disk drive (HDD). It delivers superior reliability, durability, performance and power efficiency - keeping your system working reliably in the toughest of conditions.



Conforming to the industry standard SATA connector specification, these SSDs integrate easily into existing storage infrastructures. The VisionTek PRO Series SSDs provide high bandwidth and IOPS while efficiently managing write amplification. Employing SSD technology in a system enables faster boot times, quicker application load times, lower power consumption, and enhanced reliability.

FEATURES

- Silicon Motion SM2258XT controller
- SLC caching accelerates burst performance
- Global wear leveling evens program/erase counts to extend drive lifespan
- StaticDataRefresh technology ensures data integrity
- Data shaping increases endurance
- TRIM command support (OS dependent)
- S.M.A.R.T. support
- LDPC hard and soft decode ECC
- DEVSLP support
- Internal flash RAID-like parity scheme provides an additional layer of error correction
- SATA 3.2 Compliant | SATA 6Gb/s – backwards compatible with SATA 3Gb/s & 1.5Gb/s
- ATA/ATAPI-8ASCS3 command set compliant
- Industry-standard 512-byte sector support
- Native Command Queuing (NCQ) support with 32 command queue depth
- RoHS-compliant package
- 3D NAND

SPECIFICATIONS

VisionTek PN	901293	901294
UPC	7 84090 03936 1	7 84090 03937 8
Capacity (GB)	250GB	500GB
Max Sequential Read (up to)	560MB/s	560MB/s
Max Sequential Write (up to)	515MB/s	520MB/s
Max 4K Random Read (up to)	54K IOPS	75K IOPS
Max 4K Random Write (up to)	81K IOPS	81K IOPS
Access Time	<0.1ms	<0.1ms