

VisionTek®

VisionTek PRO HXS 7mm 2.5" SSD Series

The VisionTek PRO HXS 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 our PRO HXS Series SSDs are a drop-in replacement option for a hard disk drive (HDD). It delivers superior reliability, durability, power efficiency and performance - keeps 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 HXS 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 SM2258HX controller
- SLC caching accelerates burst performance
- Global wear leveling evens program/erase counts to extend drive lifespan
- StaticDataRefresh technology ensures data integrity
- Intelligent garbage collection routines for advanced free space management
- TRIM command support (OS dependent)
- S.M.A.R.T. support
- LDPC hard and soft decode ECC
- DEVSLP support
- Field-upgradeable firmware
- SATA 3.1 Compliant SATA 6Gb/s – backwards compatible with SATA 3Gb/s and 1.5Gb/s
- ATA/ATAPI-8-ACS3 command set compliant
- Industry-standard 512-byte sector support
- Temperature sensor
- Native Command Queuing (NCQ) support with 32 command queue depth
- RoHS-compliant package
- 3D TLC NAND
- DRAM support

SPECIFICATIONS

VisionTek PN	901295	901309	901296	901310	901297	901311	901312
UPC	7 84090 03938 5	7 84090 03952 1	7 84090 03939 2	7 84090 03953 8	7 84090 03940 8	7 84090 03954 5	7 84090 03955 2
Capacity (GB)	120GB	250GB	256GB	500GB	512GB	1TB	2TB
Max Sequential Read (up to)	560MB/s	560MB/s	560MB/s	560MB/s	560MB/s	560MB/s	560MB/s
Max Sequential Write (up to)	515MB/s	520MB/s	515MB/s	520MB/s	520MB/s	515MB/s	520MB/s
Max 4K Random Read (up to)	54K IOPS	75K IOPS	54K IOPS	75K IOPS	75K IOPS	54K IOPS	75K IOPS
Max 4K Random Write (up to)	81K IOPS	81K IOPS	81K IOPS	81K IOPS	81K IOPS	81K IOPS	81K IOPS
Access Time	<0.1ms	<0.1ms	<0.1ms	<0.1ms	<0.1ms	<0.1ms	<0.1ms