VisionTek DLX4 Pro 2280 M.2 PCIe 4.0 x4 SSD (NVMe)

SKU: 901567
MSRP: $99.99

Powered by the Innogrit IG5236 controller, VisionTek DLX4 Pro M.2 NVMe SSDs offers speed and reliability for professionals, gamers and everyday users. With DDR4 DRAM cache, read speeds up to 7415MB/s and write speeds up to 6800MB/s take your storage to the next level.

- Max Sequential Reads up to 7415MB/s
- Max Sequential Writes up to 6800MB/s
- Max 4K Random Reads up to 730K IOPS
- Max 4K Random Writes up to 1.1M IOPS

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The VisionTek DLX4 Pro M.2 NVMe 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 DLX4 Pro M.2's provide a drop-in replacement option for the hard disk drive (HDD) for M.2 NVMe compatible systems. It delivers superior reliability, durability, performance and power efficiency - keeping your system working reliably in the toughest of conditions.

Conforming to the industry standard NVMe connector specification, these SSDs integrate easily into compatible infrastructures. The VisionTek DLX4 Pro Series M.2's provide high bandwidth and IOPS while efficiently managing write amplification. Employing M.2 NVMe SSDs in a compatible system enables faster boot times, quicker application load times, lower power consumption, and enhanced reliability.

Speed / Performance

Start your system in seconds, load files almost instantly, and accelerate the most demanding applications with VisionTek solid state drives. With the advancements in SSD technology, you can open a program and have it load immediately. Unlike a mechanical hard drive, an SSD has no moving parts ensuring faster performance, longer device life and more secure data.

Easy to Install

A solid state hard drive is easy to install, in just a few minutes time you can upgrade your internal system storage. No need to pay someone else, the installation of an SSD is quick and easy! Consult your system manufacturers documentation for system specific installation instructions.

VisionTek®

Features

- SLC caching accelerates burst performance
- DDR4 DRAM Buffer
- 3D NAND
- PCIe Gen4 x4
- Global wear leveling
- StaticDataRefresh technology ensures data integrity
- Intelligent garbage collection routines for advanced free space management
- NVMe Deallocate function support (NVMe equivalent of TRIM command)
- Host memory Buffer (HMB) support (OS dependent)
- S.M.A.R.T. (Self-Monitoring, Analysis, and Reporting Technology) support
- Performance optimized LDPC engine
- NVMe Protocol 1.4 compliant
- Industry standard 512 byte sector support
- RoHS Compliant

Technical Specifications

Connection Type

M.2 (M Key)

Form Factor

M.2 2280

Controller

Innogrit IG5236

Flash Type

3D NAND

Security

NVMe Security Erase support

Reliability

MTBF: 1.5 million device hours*
Low Density Parity Check (LDPC) ECC
Static and dynamic wear leveling
Uncorrectable Bit Error Rate: ?1 sector per 10^{15} bits read

Electrical / Mechanical

+3.3VDC (±5%) power supply
Power Consumption: up to 9.1W (Active), 0.3W (Idle)
M.2 2280: 22.0 mm x 80.0 mm
Weight: 7g

Environmental

Operating temperature: 0-70°C
Non-Operating temperature: -40-85°C
Operating humidity: 5-95% relative
Shock: 1500G/0.5ms
Vibration: 2-500Hz, 3.1G

VisionTek®

Performance

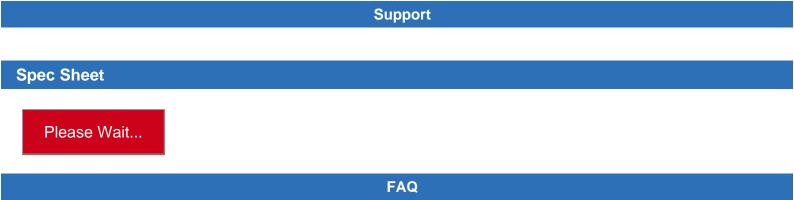| Part #	Capacity	Max Sequential Reads	Max Sequential Writes	Max 4K Random Reads	Max 4K Random Writes	Endurance
901567	512GB	6750 MB/s	3025 MB/s	200K IOPS	740K IOPS	TBW: Up to 250TB
901568	1TB	7430 MB/s	5935 MB/s	390K IOPS	1.0M IOPS	TBW: Up to 500TB
901569	2TB	7415 MB/s	6800 MB/s	730K IOPS	1.1M IOPS	TBW: Up to 1000TB
901570	4TB	7415 MB/s	6800 MB/s	800K IOPS	1.1M IOPS	TBW: Up to 2000TB

Warranty

Warranty:

5 Year Limited Warranty*

- A period of 5 years from purchase date with registration -AND-
- (901567 / 512GB) - Up to 250TB Maximum Total Bytes Written (TBW) to flash by capacity -OR-
- (901568 / 1TB) - Up to 500TB Maximum Total Bytes Written (TBW) to flash by capacity -OR-
- (901569 / 2TB) - Up to 1000TB Maximum Total Bytes Written (TBW) to flash by capacity -OR-
- (901570 / 4TB) - Up to 2000TB Maximum Total Bytes Written (TBW) to flash by capacity -OR-
- Up to 250 insertion/removal cycles to the host

Product must be registered within 30 days of purchase to be covered by the 5 Year Limited Warranty*. Products not registered within 30 days of purchase will default to our 1-Year Warranty period.

You may register your product here: www.visiontek.com/support/warranty-registration
For additional warranty information, please see our Warranty Page: www.visiontek.com/support/warranty-information

Support

Spec Sheet

Please Wait...

FAQ

For California Residents Only:
WARNING: Cancer and Reproductive harm. For more information, go to www.p65warnings.ca.gov

* Please, Note that Proposition 65 may be best defined as a "Right To Know" law in California and Prop 65 warning labels are not an indication that a product is violating safety standards or regulations. The Prop 65 warning label does not mean our products inevitably cause cancer or reproductive harm. We do not consider our products harmful when used as intended. However, it is a necessary precaution to provide the warning because of this California law.