VisionTek®

Solid State Drive Desktop & Laptop NVMe M.2 Connection

FEATURES
• Phison E18 controller
• SLC caching accelerates burst performance
• Advanced wear leveling evens program/erase counts to extend drive lifespan
• Intelligent garbage collection routines for advanced free space management
• NVMe Deallocate support
• Host Memory Buffer (HMB) support (OS dependent)
• S.M.A.R.T. support
• Performance optimized LDPC engine
• PCIe revision 4.0 compliant
• NVMe protocol 1.4 compliant
• PCIe Gen4 x4
• Industry-standard 512 byte sector support
• RoHS-compliant package
• 3D NAND

TAA:
• Country of Origin: Taiwan

WARRANTY
• 3 Year Limited
Lifetime US-Based Technical Support
www.VisionTek.com
1-866-883-5411

The VisionTek PCIe 4.0 TLC Series NVMe M.2 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 TLC Series M.2's offer a drop-in replacement option for the hard disk drive (HDD) for NVMe M.2 compatible systems. These deliver 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 TLC 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 the VisionTek PCIe 4.0 TLC NVMe M.2 SSD drives. Our Dynamic Write Acceleration technology uses an adaptable pool of high-speed, single-level cell flash memory to generate blistering speeds.
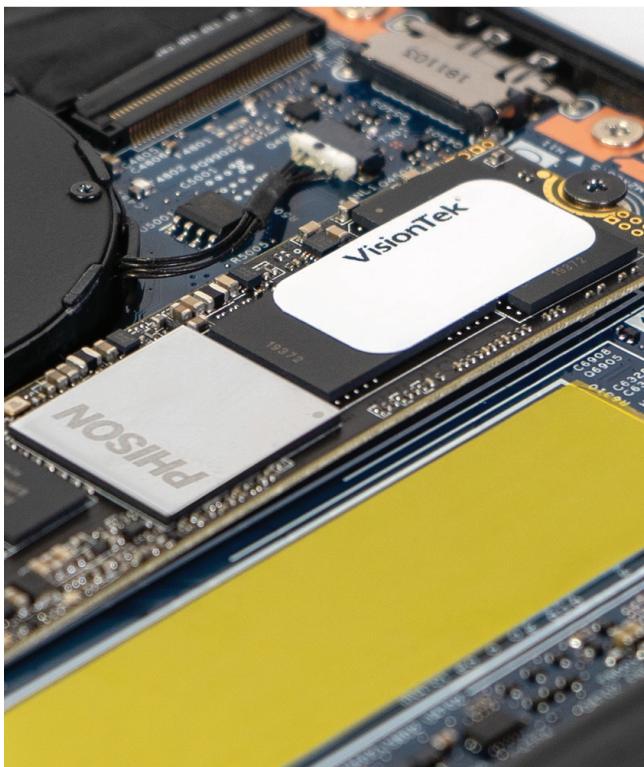
Install with confidence
For many people, opening a computer and transferring data seems terrifying. That's why we've made it easy in the step-by-step SSD Install Guide. Check it out before you buy, then install your own SSD quickly with everything transferred over successfully and hassle-free.

Store up to 2TB of Data
Save massive amounts of photos, music, and videos comfortably and securely. With fast access to your media, creations, and designs, you're ready to share at the speed of life.

VisionTek®

Endurance
- TBW: Up to 2800
- DWPD: 1.01 (3 Years)

Security
- NVMe Secure Erase support

Reliability
- MTBF: 1.8 million device hours*
- Low Density Parity Check (LDPC) ECC
- Static and dynamic wear leveling
- Uncorrectable Bit Error Rate: ≤1 sector per 10^{16} bits read

Electrical/Mechanical
- +3.3VDC (±5%) power supply
- Power Consumption: up to 8.8W (Active), 0.6W (Idle)
- M.2: 22.0 mm x 80.0 mm
- Weight: 8.1g

Environmental
- Operating temperature: 0-70°C
- Non-Operating temperature: -40-85°C
- Operating humidity: 5-95% relative
- Shock: 1500G/0.5ms
- Vibration: 20-2000Hz, 20G

Capacity	VisionTek Part Number	UPC	Max Sequential Read (up to)	Max Sequential Write (up to)	Max 4K Random Sequential Read (up to)	Max 4k Random Sequential Write (up to)	Access Time
2TB	901413	784090041463	7000 MB/s	6850 MB/s	650K IOPS	700K IOPS	<0.1ms

V 12.18.2020

FOR MORE INFORMATION CONTACT: 1-866-883-5411 | sales@visiontek.com

VisionTek®