

Technical Specifications

HP 256GB SATA TLC Non-SED SSD Drive



Introduction

Storage technology with NAND media is outgrowing the bandwidth limitations of the SATA bus. New high performance Storage solutions will connect directly to the PCIe bus for revolutionary performance improvements. These components will be available in a variety of form factors and performance levels, designed specifically for certain market segments, and ultimately the costs will continue to decline as the technology evolves.

Models

HP 256GB SATA TLC Non-SED SSD Drive

P1N68AA

Performance

Expand the storage capabilities of your desktop with the HP TLC 256 GB SATA SSD¹, which includes TLC flash and the same reliability you already get from current from SSD drives. Get enterprise-class read and write performance for sequential and random workloads in a small footprint with the triple layer architecture that stacks three cell layers on top of one another, with no moving parts.

Protect your investment with a limited warranty.²

Technical Specifications

HP 256GB SATA TLC Non-SED SSD Drive

Unformatted Capacity	256 GB*	
Architecture	TLC NAND Flash	
Interface	SATA 3.2 (6.0 Gb/s)	
Dimensions (W x H x D)	6.98 x 0.7 x 10.05 cm	
Weight	36.5 g	
Bandwidth Performance	Sustained Sequential Read:	Up to 498 MB/s
	Sustained Sequential Write:	Up to 455 MB/s
	Random Read:	Up to 84K IOPs
	Random Write:	Up to 49K IOPs
Power	DC power requirement:	5 VDC 5%-100 mV ripple p-p
	Total power consumption:	95mW (active); 70mW (idle)
Useful Drive Life	72TB written, up to 40GB/day for 5 years	
Environmental (all conditions, non-condensing)	Operating Temperature:	32° to 158° F (0° to 70° C)
	Relative Humidity:	5% to 95%
	Shock:	1,500 G/0.5 ms

* For hard drives and solid state drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 16 GB (for Windows 7) and 36 GB (for Windows 8.1/10) of system disk is reserved for the system recovery software.

Supported Platforms:

HP EliteDesk 705 G2 MT, HP EliteDesk 705 G2 SFF, HP EliteOne 705 G2 AIO and HP EliteDesk 705 G2 DM (Mini)

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- 1 For hard drives and SSDs, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30 GB is reserved for system recovery software.
- 2 One-year limited warranty, or the remaining warranty of the HP Desktop in which the drive is installed.

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