

Overview

Models

HP 128 GB Solid State Drive

AY490AA

Introduction

The HP 128 GB Solid State Drive provides many performance and durability improvements over traditional Hard Disk Drive (HDD) technology.

With no moving parts, solid state drives do not need to spin up or mechanically seek to files in the way that conventional hard disk drives do. These drive characteristics significantly improve boot-up, shut down and application loading times as well as overall application responsiveness.

NOTE: GB = 1 billion bytes. Actual available capacity is less.

Performance

The HP 128 GB Solid State Drive achieves sequential read rates of up to 220-megabyte (MB)/sec and sequential write rates of up to 200-megabytes (MB)/sec.

Key Benefits

- Store your data with a hard drive with no moving parts
- Get faster transfer speeds and higher cell endurance with Multi Level Cell (MLC) NAND flash memory
- Significantly improve boot up, shut down and application loading times
- Improved protocol for enhanced data integrity
- Performance increase to up to 3 Gb/s maximum external (burst) data transfer rate
- Native Command Queuing allows the hard drive to have several write or read commands outstanding at the same time

Technical Specifications

Service and Support One-year limited warranty. Additional support is available 24 hours a day, seven days a week by phone as well as online support forms.
NOTE: Certain restrictions and exclusions apply. Consult the HP Customer Support Center for details.

Compatibility The HP 128 GB Solid State Drive is compatible with the HP EliteBook 6930p Notebook PC, HP EliteBook 8730w Mobile Workstation, HP EliteBook 8530p Notebook PC, HP EliteBook 8530w Mobile Workstation, HP ProBook 5310m Notebook PC, HP ProBook 6445b Notebook PC, HP ProBook 6545b Notebook PC, HP ProBook 6440b Notebook PC, HP ProBook 6540b Notebook PC, HP Mini 5101 and HP Mini 5102.

Spares information HP 128 GB Solid State Drive TBD

128 GB Solid State Drive	Capacity*	128 GB	
	NAND Flash Memory	Multi Level Cell (MLC) with wear leveling controller	
	Interface type	SATA 3Gb/sec	
	Dimensions-external (W x H x D)	2.74 x 0.37 x 4 in (6.98 x 0.95 x 10.2 cm)	
	Weight	0.15 lb (70 g)	
	Internal transfer rate	Write speed	Up to 220 MB/s
		Read speed	Up to 120 MB/s
	Host transfer rate	Ultra DMA mode	Up to 150 MB/s
		Power	DC power requirement 5 VDC 5%-100 mV ripple p-p
	Environmental (all conditions, non-condensing)	Total power consumption	<1.12Watt
		Temperature (operating)	32° to 158° F (0° to 70° C)
		Relative Humidity (operating)	5% to 95%
		Maximum Wet Bulb Temperature (operating)	84° F (29° C)
	Operating systems supported	Windows XP Professional, Windows XP Professional x64 or Windows XP Home. No driver is required for this device. Native support is provided by the operating system.	
	Regulations	UL, CSA, EN 60950-2000, CISPR Pub 22 Class B, CNS 13438, AS/NZS CISPR 22:2002 Class B, R1113 and C1172 Class B	
Option kit contents	HP 128 GB Solid State Drive, documentation		

* For solid state disk drives, GB means 1 billion bytes. 16GB is the unformatted capacity of this drive before a portion of the drive is reserved for flash management features. Actual capacity varies by content and will be less than 15.8GB.

Technical Specifications

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