

Overview

HP Turbo Drive G2 256GB PCIe Solid State 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 Turbo Drive G2 256GB PCIe Solid State Drive

T7W25AA

Performance

HP Turbo Drive

The HP Turbo Drive G2 256GB PCIe Solid State Drive features a PCIe connected SSD, which enables performance levels greater than 1GB/s. This performance is available at a price that is at parity with today's comparable SATA SSDs. This will enable the highest price/performance ratio for client grade SSDs. Unlike hard drives, SSDs have no moving parts, require little power and are noise-free. The HP Turbo Drive is powered by Samsung SSD technology, resulting in the most reliable performance on the market today.

The HP Turbo Drive G2 256GB PCIe Solid State Drive will be supported on certain HP desktop platforms (see suggested platforms below). It will support storage configurations only as a Boot device. The performance gains are significant when connecting to the PCIe bus.

Technical Specifications

Technical specifications

HP Turbo Drive G2 256GB PCIe Solid State Drive

| | | |
|---|-----------------------------------|-----------------------------|
| Capacity | 256 GB SSD* | |
| Data Transfer Rate (128k Sequential) | Sequential Read | Up to 2150 MB/s |
| | Sequential Write | Up to 1200 MB/s |
| Power Watts | Power consumption (avg): | Power-Up: N/A |
| | | Read: 4 W |
| | | Write: 5.1 W |
| | | Standby: 700 mW |
| Environmental (all conditions, non-condensing) | Operating Temperature: | 32° to 158° F (0° to 70° C) |
| | Relative Humidity: | 5% to 95% |
| | Shock (Linear 2 m/Sec half-sine): | 1000 G peak (operating) |
| | Weight | 1.8oz (51g) |
| Form Factor | Half-height, half-length** | |

*NOTE: 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.

**Roughly, actual length is 4 inches (100cm)

Supported Platforms:

HP ProDesk 490 G3 MT, HP ProDesk 600 G2 MTW, HP ProDesk 600 G2 SFF, HP ProOne 600 G2 AIO 21.5" Touch, HP ProOne 600 G2 AIO 21.5" Non-Touch, HP EliteDesk 705 G2 MT, HP EliteDesk 705 G2 SFF, HP EliteOne 705 G2 AIO 23" Touch, HP EliteOne 705 G2 AIO 23" Non-Touch, HP EliteDesk 800 G2 TWR, HP EliteDesk 800 G2 SFF, HP EliteOne 800 G2 AIO 23" Touch, HP EliteOne 800 G2 AIO 23" Non-Touch

Service and support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). Certain restrictions and exclusions apply.

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Summary of changes

| Date of change: | Version History: | Description of change: |
|-----------------|------------------|------------------------|
| | From v1 to v2 | |
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