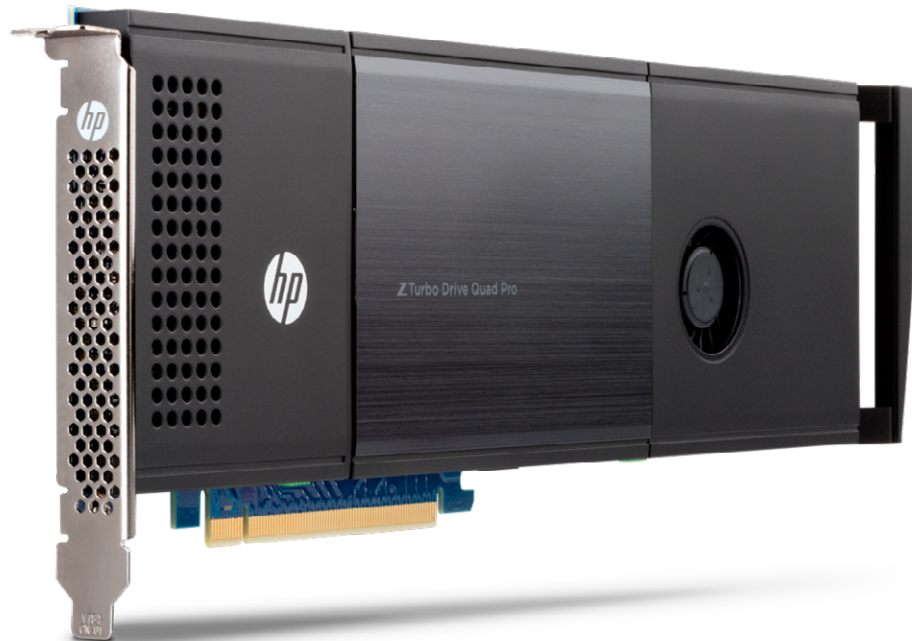




HP Z Turbo Drive Quad Pro

It's time to go big



Power through your largest data challenges and get amazing performance with the HP Z Turbo Drive Quad Pro, which integrates up to four super-fast HP Z Turbo Drive G2 modules¹ into one PCIe x16 card.

Affordable scalability

Deploy an enterprise-class solution that lets you easily combine up to four HP Z Turbo Drive G2 M.2 modules¹ in one PCIe x16 slot.

Head-spinning speed

Drive your workstation workflows at blazing fast speeds^{16X} faster than a SATA SSD with a solution that delivers sequential performance up to 9.0GB/s.²

Enterprise data protection

Get enhanced data integrity from power loss protection circuitry that uses onboard supercaps to correctly save your work in the event of a power failure.

¹ Each sold separately.

² Sequential read performance tested with Iometer 1.1.0 with 12 workers, queue depth of 128, file size of 128K.

HP Z Turbo Drive Quad Pro module specifications

The HP Z Turbo Quad Pro can be configured with up to 4 HP Z Turbo Drive G2 SSD modules. The card is initially configured with two modules. Additional modules are available in two capacities, 256GB and 512 GB, and are sold separately.



	HP Z Turbo Drive Quad Pro Card N2M98AA (2x256GB PCIe SSD) N2M99AA (2x512GB PCIe SSD) T9H99AA (2x1TB PCIe SSD)	HP Z Turbo Drive Quad Pro 256GB SSD Module N2N00AA	HP Z Turbo Drive Quad Pro 512GB SSD Module N2N01AA	HP Z Turbo Drive Quad Pro 1TB SSD Module T9J00AA
Bus Type	PCIe card x16, full height PCIe slots	n/a	n/a	n/a
NAND Type	3D MLC	3D MLC	3D MLC	3D MLC
Read Bandwidth (128 KB)	n/a	3100 MB/s	3200 MB/s	3200 MB/s
Write Bandwidth (1 MB)	n/a	1400 MB/s	1700 MB/s	1800 MB/s
Random Read IOPS (4KB)	n/a	330K	330K	430K
Random Write IOPS (4KB)	n/a	280K	300K	320K
Endurance (Total Bytes Written)	n/a	150 TB	300 TB	600TB
Capacity	2x256GB (two M.2 PCIe NVMe modules) 2x512GB (two M.2 PCIe NVMe modules) 2x1TB (two M.2 PCIe NVMe modules)	256GB M.2 PCIe SSD (NVMe)	512GB M.2 PCIe SSD (NVMe)	1TB M.2 PCIe SSD (NVMe)
Interface	PCI Express Gen3 x16	PCIe Gen3 x4 architecture, NVMe Controller	PCIe Gen3 x4 architecture, NVMe Controller	PCIe Gen3 x4 architecture, NVMe Controller
Operating Systems Supported	Windows® 7 Professional 64-bit, Windows® 8.1 64-bit, Windows® 10 64-bit, RHEL 6, SLED 11 SP3, Ubuntu 14.04.			
HP Supported Platforms	HP Z440, Z640, Z840 Workstations			
Kit Contents	HP Z Turbo Drive Quad Pro card + two M.2 SSD Modules ordered, heat sink, full height bulkhead bracket, Installation documentation and warranty card	SSD Module, Installation documentation and warranty card	SSD Module, Installation documentation and warranty card	SSD Module, Installation documentation and warranty card

Learn more—hp.com/zworkstations

© Copyright 2017 HP Development Company, L.P.

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. The information contained herein is subject to change without notice. Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.

