Dell Express Flash PM1725b

Technical Specifications and Information

Notes, cautions, and warnings

(i) | **NOTE: A NOTE indicates important information that helps you make better use of your product.**

△ | **CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

⚠ | **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

Dell Express Flash PM1725b Specifications and Information

Use these specifications and model-specific information to ensure proper application of your PM1725b.

Table 1. PM1725b technical specifications

Features	Description
Media type	3D TLC NAND
Capacities/form factors	1.6 TB U.2
	1.6 TB HHHL low profile AIC
	3.2 TB U.2
	3.2 TB HHHL low profile AIC, qualified, not shipped (QNS)
	6.4 TB U.2 (QNS)
	6.4 TB HHHL low profile AIC
	12.8 TB U.2 (QNS)
User-addressable 512-byte sectors	1.6 TB: 3,125,627,568
	3.2 TB: 6,251,233,968
	6.4 TB: 12,502,446,768
	12.8 TB: 25,000,148,992
Host bus interface	PCIe Gen 3.0 x4, U.2
	PCIe Gen 3.0 x8, AIC
Device protocol	NVM Express 1.2.1
Bootable device	Yes, U.2 only, UEFI mode only
Hot-swap support	Yes U.2 only
I/O operations per second, 4K random read	up to 800K IOPS, U.2
	up to 930K IOPS, AIC
I/O operations per second, 4K random write	up to 150K IOPS, U.2
	up to 170K IOPS, AIC
Endurance rating (TBW)	1.6 TB: 8.76 PB, 3 DWPD
	3.2 TB: 17.52 PB, 3 DWPD

Features	Description
	6.4 TB: 35.04 PB, 3 DWPD
	12.8 TB: 70.08 PB, 3 DWPD
Data retention at end of life	3 months at 40°C
Power	12V, 3.3V aux, supply rail
	8 W idle, typical
	23 W active, max
Operating temperature	0°C to 70°C, U.2
	0°C to 55°C, AIC
Physical dimensions	100.2 mm x 69.9 mm x 14.8 mm, U.2
	167.7 mm x 69.9 mm x 18.7 mm, AIC
Shock	1,500 G/0.5 ms
Vibration	20 Gpeak, 10 ~ 2000 Hz

Minimum supported operating systems

ⓘ | NOTE: Supported on all operating systems using the included native drivers

- Microsoft Windows Server 2016
- Microsoft Windows Server 2019
- VMware ESXi 6.5 U2
- VMware ESXi 6.7 U1
- Red Hat Enterprise Linux 6.10
- Red Hat Enterprise Linux 7.6
- SUSE Linux Enterprise Server 15
- Ubuntu 18.04.2