Solutions - X2 - Mixed Workload

		U	.2			
	Capacity ⁽¹⁾	1600GB	3200GB	6400GB	12800GB	25600GB
Performance ^(2,3)	Sequential Read	14,800 MB/s	14,800 MB/s	14,800 MB/s	14,800 MB/s	TBD
	Sequential Write	4,300 MB/s	8,600 MB/s	8,700 MB/s	8,350 MB/s	TBD
	4K Random Read	2,400K IOPS	3,000K IOPS	3,000K IOPS	3,000K IOPS	TBD
	4K Random Write	400K IOPS	800K IOPS	900K IOPS	900K IOPS	TBD
Power Consumption ⁽⁴⁾	Max	25 W	25 W	25 W	25 W	25 W
	Idle	5 W	5 W	5 W	5 W	5 W
Latency	4K Random Read	60 µs	60 µs	60 µs	60 µs	60 µs
	4K Random Write	10 µs	10 µs	10 µs	10 µs	10 µs
		E3	.S			
	Capacity ⁽¹⁾	1600GB	3200GB	6400GB	12800GB	-
Performance ^(2,3)	Sequential Read	14,800 MB/s	14,800 MB/s	14,800 MB/s	14,800 MB/s	-
	Sequential Write	4,300 MB/s	8,600 MB/s	8,700 MB/s	8,350 MB/s	-
	4K Random Read	2,400K IOPS	3,000K IOPS	3,000K IOPS	3,000K IOPS	-
	4K Random Write	400K IOPS	800K IOPS	900K IOPS	900K IOPS	-
Power	Max	25 W	25 W	25 W	25 W	-
Consumption ⁽⁴⁾	Idle	5 W	5 W	5 W	5 W	-
Latency	4K Random Read	60 µs	60 µs	60 µs	60 µs	-
	4K Random Write	10 µs	10 µs	10 µs	10 µs	-
		Feat	ures			
	Interface			PCIe 5.0 x 4		
	NAND Flash			3D TLC		
	DWPD ⁽⁵⁾			3		
	UBER			1 in 10 ¹⁸		
Operating Temperature				0°C - 70°C		
No	n-Operating Temperature			-40°C - 85°C		
		Key Fe	atures			
 Dual Port Power Loss Data Protection MF-QoS 						

(1) 1 GB = 1,000,000,000 bytes.
 (2) Sequential Performance is based on FIO on Linux, 128K, with QD=32, 1 worker , and test drive set as secondary.
 (3) Random Performance is based on FIO on Linux, 4K data size, QD=32, 1 worker, 4K aligned.

(4) Power consumption is measured during the sequential read/write and random read/write operations performed by iometer with the conditions described in (2)(3).

(5) The results of DWPD are obtained in compliance with JESD219A Standards.



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Solutions - X2 - Read Intensive

		U	.2			
	Capacity ⁽¹⁾	1920GB	3840GB	7680GB	15360GB	30720GB
Performance ^(2,3)	Sequential Read	14,800 MB/s	14,800 MB/s	14,800 MB/s	14,800 MB/s	TBD
	Sequential Write	4,300 MB/s	8,600 MB/s	8,700 MB/s	8,350 MB/s	TBD
	4K Random Read	2,400K IOPS	3,000K IOPS	3,000K IOPS	3,000K IOPS	TBD
	4K Random Write	170K IOPS	380K IOPS	500K IOPS	500K IOPS	TBD
Power Consumption ⁽⁴⁾	Max	25 W	25 W	25 W	25 W	25 W
	Idle	5 W	5 W	5 W	5 W	5 W
Latency	4K Random Read	60 µs	60 µs	60 µs	60 µs	60 µs
	4K Random Write	10 µs	10 µs	10 µs	10 µs	10 µs
		E3	l.S			
	Capacity ⁽¹⁾	1920GB	3840GB	7680GB	15360GB	-
Performance ^(2,3)	Sequential Read	14,800 MB/s	14,800 MB/s	14,800 MB/s	14,800 MB/s	-
	Sequential Write	4,300 MB/s	8,600 MB/s	8,700 MB/s	8,350 MB/s	-
	4K Random Read	2,400K IOPS	3,000K IOPS	3,000K IOPS	3,000K IOPS	-
	4K Random Write	170K IOPS	380K IOPS	500K IOPS	500K IOPS	-
Power Consumption ⁽⁴⁾	Max	25 W	25 W	25 W	25 W	-
	Idle	5 W	5 W	5 W	5 W	-
Latency	4K Random Read	60 µs	60 µs	60 µs	60 µs	-
	4K Random Write	10 µs	10 µs	10 µs	10 µs	-
		Feat	ures			
	Interface			PCle 5.0 x 4		
	NAND Flash			3D TLC		
	DWPD ⁽⁵⁾			1		
	UBER			1 in 10 ¹⁸		
Operating Temperature				0°C - 70°C		
No	on-Operating Temperature			-40°C - 85°C		
		Key Fe	atures			
Dual Per Power	ort•Namespaces: 64Loss Data Protection•MF-QoS					

(1) 1 GB = 1,000,000,000 bytes.
 (2) Sequential Performance is based on FIO on Linux, 128K, with QD=32, 1 worker , and test drive set as secondary.
 (3) Random Performance is based on FIO on Linux, 4K data size, QD=32, 1 worker, 4K aligned.

(4) Power consumption is measured during the sequential read/write and random read/write operations performed by iometer with the conditions described in (2)(3).

(5) The results of DWPD are obtained in compliance with JESD219A Standards.



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