

## PowerEdge SAS SSD Performance Specs\*

Dell EMC puts its enterprise solid state drive (SSD) offerings through a rigorous validation process before they are ever considered as additions to the PowerEdge server portfolio. Enterprise-class SSDs are designed around enterprise application I/O (input/output) requirements with random I/O performance, reliability and protection of data during a sudden power-down. Choosing the right drives for your workload is crucial to obtain a balance of performance, capacity and cost in your data center.

Type	Capacity (GB)	MODEL	Part Number	Endurance DWPD 5 Years	Endurance TBW (TB)	Seq Read 128KB (MB/s)	Seq Write 128KB (MB/s)	Random Read 4KB (IOPS)	Random Write 4KB (IOPS)	Random 4K 70/30
MU	400	Samsung PM1635a	MFC6G	3.0	2,190	950	600	199K	61K	75K
	800	Samsung PM1635a	HF06W	3.0	4,380	950	970	200K	76K	80K
	1600	Samsung PM1635a	W5PP5	3.0	8,760	940	1,010	200K	76K	80K
	480	Toshiba PM4 PX05SV	43PCJ	3.0	2,628	1,050	1,050	205K	60K	110K
	960	Toshiba PM4 PX05SV	503M7	3.0	5,256	1,040	1,040	200K	70K	110K
	1920	Toshiba PM4 PX05SV	V0K7V	3.0	10,512	1,040	1,050	204K	97K	110K
	3840	Toshiba PM4 PX05SV	3DDFT	3.0	21,024					
RI	960	Toshiba PM4 PX05SR	MWGK7	1.0	1,752	1,050	1,050	200K	30K	70K
	1920	Toshiba PM4 PX05SR	0FYFW	1.0	3,504	1,050	1,050	200K	35K	90K
	3840	Toshiba PM4 PX05SR	XCRDV	1.0	7,008	1,050	1,050	190K	35K	90K
	1920	Samsung PM1633a	086DD	1.0	3,504	950	1,000	201K	37K	80K
	3840	Samsung PM1633a	JR1HP	1.0	7,008	950	1,000	201K	37K	80K

## PowerEdge SATA SSD Performance Specs\*

Type	Capacity (GB)	MODEL	Part Number	Endurance DWPD 5 Years	Endurance TBW (TB)	Seq Read 128KB (MB/s)	Seq Write 128KB (MB/s)	Random Read 4KB (IOPS)	Random Write 4KB (IOPS)	Random 4K 70/30
MU	240	Intel S4600	V6YD5	3.0	1,314	490	250	74K	38K	50K
	480	Intel S4600	P7KTJ	3.0	2,628	490	450	74K	58K	60K
	960	Intel S4600	TR3MY	3.0	5,256	490	450	74K	58K	67K
	1920	Intel S4600	MWKF2	3.0	10,512	490	450	74K	58K	67K
	200	Toshiba HK4E	X1RMG	3.0	1,095					
	400	Toshiba HK4E	VKT80	3.0	2,190	500	480	75K	30K	63K
	800	Toshiba HK4E	VCRY6	3.0	4,380	500	480	75K	30K	67K
	1600	Toshiba HK4E	DMF5Y	3.0	8,760	500	480	75K	30K	67K
RI	960	Samsung PM863a	3D6WK	1.0	1,752	500	460	85K	23K	57K
	1920	Samsung PM863a	9W12R	1.0	3,504	500	470	83K	23K	69K
	3840	Samsung PM863a	9Y3HD	1.0	7,008	500	470	83K	26K	67K
	480	Intel S4500	FH49G	1.0	876	480	330	71K	24K	42K
	960	Intel S4500	4T7DD	1.0	1,752	480	450	74K	36K	53K
	1920	Intel S4500	XCN15	1.0	3,504	480	450	74K	42K	59K
	3840	Intel S4500	3RRN8	1.0	7,008	500	470	83K	26K	67K

\*Disclaimer: These are performance specs at the drive level (not system level) obtained from Dell and supplier testing. Values are for guidance only and subject to change/update/correction at any time. Performance may vary in different environments.

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