

Dell EMC + KIOXIA = Better Together



- Together: 20+ years of storage collaboration*
- SSDs shipping across all of Dell EMC's major server and storage product lines
- All KIOXIA SSDs are VMware vSAN™ certified for your virtualized data center environments
- First to introduce value SAS (RM6 Series) and data center NVMe™ (CD6 Series) SSDs, similarly priced to SATA



Upgrade your application performance in Dell EMC PowerEdge™ servers with value SAS (RM6 Series) and data center NVMe (CD6 Series) SSDs.



SATA performance roadmap has ended



Competitively priced to SATA



Better performance, latency and capacities



Embraces more architectures/management



PM6 Series Enterprise SAS SSD

PM6 Series Enterprise 24G SAS SSD are designed for enterprise server and storage environments providing uncompromising performance and reliability.



RM6 Series Value SAS SSD

RM6 Series 12Gb/s value SAS SSDs are priced to replace SATA in servers, delivering improved performance and reliability, with no change to the server infrastructure.



CM6 Series Enterprise NVMe™ SSD

Built on KIOXIA BiCS FLASH™ technology, the CM6 Series brings PCIe Gen 4 performance to enterprise NVMe SSDs, along with high reliability and availability. Available as single or dual-port, 1/3 DWPD, and up to 30.72 TB³ capacities.



CD6 Series Data Center NVMe SSD

As a SATA replacement, CD6 Series delivers PCIe Gen 4 performance to data center-class NVMe SSDs for servers. Available as single-port, 1/3 DWPD, and capacities up to 15.36 TB.

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Family	DWPD ^{*1} (for 5 years)	Platform	Data Security & Encryption Options ^{*2}	Capacity (GB) ^{*3}	KIOXIA Model #	Dell P/N	Random Read IOPS ^{*4 *5 *6}	Random Write IOPS ^{*4 *5 *6}	Seq. Read M/s ^{*6}	Seq. Writes MB/s ^{*6}	Min. TBW
PM6** 12Gb/s SAS (SAS-3)	Read Intensive 1 DWPD for 5 Years	Dell PowerEdge	ISE	960	KPM6XRUG960G	6N7KY	415K	75K	2,200	1,450	1,752
				1,920	KPM6XRUG1T92	4CN85	415K	90K	2,200	2,150	3,504
				3,840	KPM6XRUG3T84	H9TT5	415K	105K	2,200	2,150	7,008
				7,680	KPM6XRUG7T68	PD02Y	415K	80K	2,200	2,150	14,016
				15,360	KPM6XRUG15T3	0J1G0	415K	84K	2,200	2,150	28,032
			FIPS	960	KPM6WRUG960G	R9RTY	415K	75K	2,200	1,450	1,752
				1,920	KPM6WRUG1T92	7F2D1	415K	90K	2,200	2,150	3,504
				3,840	KPM6WRUG3T84	FH1W9	415K	105K	2,200	2,150	7,008
				7,680	KPM6WRUG7T68	M571X	415K	80K	2,200	2,150	14,016
				15,360	KPM6WRUG15T3	MJYM2	415K	84K	2,200	2,150	28,032
	Mixed Use 3 DWPD for 5 Years	Dell PowerEdge	ISE	800	KPM6XVUG800G	JTKH5	415K	135K	2,200	1,450	4,380
				1,600	KPM6XVUG1T60	GD3N0	415K	200K	2,200	2,150	8,760
				3,200	KPM6XVUG3T20	NKM7P	415K	240K	2,200	2,150	17,520
				6,400	KPM6XVUG6T40	6NWJ3	415K	150K	2,200	2,150	35,040
				12,800	KPM6XVUG12T8	H28H3	415K	150K	2,200	2,150	70,080
				800	KPM6WVUG960G	WMWKG	415K	95K	2,200	1,450	5,256
	Mixed Use 3 DWPD for 5 Years	Dell PowerEdge	FIPS	1,920	KPM6WVUG1T92	DHWH5	415K	160K	2,200	2,150	10,512
				3,840	KPM6WVUG3T84	81H9C	415K	160K	2,200	2,150	21,024
				7,680	KPM6WVUG7T68	5188N	415K	115K	2,200	2,150	42,048
				400	KPM6XMUG400G	VW3D6	415K	300K	2,200	1,450	7,300
Write Intensive 10 DWPD for 5 Years	Dell PowerEdge	ISE	800	KPM6XMUG800G	H6GCD	415K	300K	2,200	2,150	14,600	
			1,600	KPM6XMUG1T60	5GD3H	415K	300K	2,200	2,050	29,200	
			3,200	KPM6XMUG3T20	TXV6X	415K	300K	2,200	1,650	58,400	
			960	KRM6VRUG960G	GRY0J	160K	40K	840	710	1,752	
			1,920	KRM6VRUG1T92	1FGWG	160K	40K	840	710	3,504	
			3,840	KRM6VRUG3T84	XNXD2	160K	40K	840	710	7,008	
RM6 12Gb/s SAS (SAS-3)	Read Intensive 1 DWPD for 5 Years	Dell PowerEdge	SED	7,680	KRM6VRUG7T68	5MHY8	160K	40K	840	710	14,016
				960	KRM6VUG960G	42XXC	160K	50K	840	710	5,256
				1,920	KRM6VVUG1T92	N15JP	160K	50K	840	710	10,512
				3,840	KRM6VVUG3T84	FXYGR	160K	50K	840	710	21,024
				960	KCD6XLUL960G	DNHHV	700K	30K	5,800	1,300	1,752
				1,920	KCD6XLUL1T92	M867W	700K	30K	5,800	1,150	3,504
CD6 PCIe® 4.0 (1x416GT/s)	Very Read Intensive 1 DWPD for 5 Years	Dell PowerEdge	SIE	3,840	KCD6XLUL3T84	K65PY	1,000K	60K	6,200	2,350	7,008
				7,680	KCD6XLUL7T68	V190N	1,000K	85K	6,200	4,000	14,016
				15,360	KCD6XLUL15T3	PRYX3	750K	30K	5,500	4,000	28,032
				1,920	KCM6XRUL1T92	NOVK0	1,300K	100K	6,900	2,800	3,504
				3,840	KCM6XRUL3T84	8W2G5	1,400K	170K	6,900	4,200	7,008
				7,680	KCM6XRUL7T68	VD0JX	1,400K	170K	6,900	4,000	14,016
CM6 PCIe® 4.0 (1x4, 2x2 16GT/s)	Read Intensive 1 DWPD for 5 Years	Dell PowerEdge	SIE	15,360	KCM6XRUL15T3	J91CR	1,400K	170K	6,900	4,000	28,032
				1,920	KCM6FRUL1T92	TXP72	1,300K	100K	6,900	2,800	3,504
				3,840	KCM6FRUL3T84	7YDNG	1,400K	170K	6,900	4,200	7,008
				7,680	KCM6FRUL7T68	PDWJY	1,400K	170K	6,900	4,000	14,016
			FIPS	15,360	KCM6FRUL15T3	J6F35	1,400K	170K	6,900	4,000	28,032
				1,600	KCM6XVUL1T60	P03YC	1,300K	215K	6,900	2,800	8,760
				3,200	KCM6XVUL3T20	97GR0	1,400K	350K	6,900	4,200	17,520
				6,400	KCM6XVUL6T40	K916X	1,400K	325K	6,900	4,000	35,040
	Mixed Use 3 DWPD for 5 Years	Dell PowerEdge	SIE	1,600	KCM6FVUL1T60	G7N00	1,300K	215K	6,900	2,800	8,760
				3,200	KCM6FVUL3T20	78DH9	1,400K	350K	6,900	4,200	17,520
				6,400	KCM6FVUL6T40	7KGX3	1,400K	325K	6,900	4,000	35,040
			FIPS	1,600	KCM6FVUL1T60	G7N00	1,300K	215K	6,900	2,800	8,760
				3,200	KCM6FVUL3T20	78DH9	1,400K	350K	6,900	4,200	17,520
			6,400	KCM6FVUL6T40	7KGX3	1,400K	325K	6,900	4,000	35,040	

Power Loss Protection (PLP) Supported

BICS FLASH™ Memory

*Dell EMC and KIOXIA collaboration includes hard disk drive (HDD) technology with Toshiba Corporation. KIOXIA does not currently offer HDDs.

**Preliminary specifications. Subject to change without notice.

1. DWPD: Drive Writes Per Day. One full drive write per day means the drive can be written and re-written to full capacity once a day every day for five years, the stated product warranty period. Actual results may vary due to system configuration, usage and other factors.

Read and write speed may vary depending on the host device, read and write conditions, and file size.

2. Data Security

- Sanitize Instant Erase (SIE) option supports Crypto Erase, which is a standardized feature defined by the technical committees (T10/T13) of INCITS (the Inter National Committee for Information Technology Standards) or by NVM Express Inc.

- SED (Self-Encrypting Drive) SSDs support TCG Enterprise SSC or TCG Opal SSC

- FIPS drives are validated as FIPS 140-2 Level 2 which defines security requirements for cryptographic module by NIST (National Institute of Standards and Technology).

3. Definition of capacity: KIOXIA America, Inc. defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the

definition of 1 GB = 2³⁰ bytes = 1,073,741,824 bytes and 1 TB = 2⁴⁰ bytes = 1,099,511,627,776 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software

and operating system, and/or pre-installed software applications, or media content. Actual formatted capacity may vary.

4. KiB: A kibibyte (KiB) means 2¹⁰ or 1,024 bytes.

5. IOPS: Input output operations per second (or the numbers of I/O operations per second)

6. Read and write speed may vary depending on the host device, read and write conditions, and file size.

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