

Dell + KIOXIA = Better Together



- Together: 20+ years of storage collaboration*
- SSDs shipping across all of Dell's major server and storage product lines
- All KIOXIA SSDs are VMware vSAN™ certified for your virtualized data center environments
- Introducing the new Enterprise and Datacenter Standard Form Factor (EDSFF) E3.S PCle* 5.0 NVMe™ SSD for use in select Dell PowerEdge™ 16G servers



Upgrade your application performance in Dell PowerEdge[™] servers with value SAS (KIOXIA RM6 Series) and data center NVMe[™] (KIOXIA CD7 Series) SSDs.



SATA performance roadmap has ended



Competitively priced to SATA



Better performance, latency and capacities



Embraces more architectures/management



KIOXIA PM6/PM7 Series Enterprise SAS SSD

PM6/PM7 Series Enterprise 24G SAS SSDs are designed for enterprise server and storage environments providing uncompromising performance and reliability.



KIOXIA 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.



KIOXIA 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 or 3 DWPD, and up to 15.36 TB³ capacities.



KIOXIA CD7 Series Data Center NVMe™ SSD

As a SATA replacement, CD7 Series SSDs deliver PCle Gen 5 performance in 2.5-inch and E3.S form factors. Available as single-port, and 1 DWPD endurance.

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Family	DWPD *1 (for 5 years)	Platform	Data Security & Encryption Options	Capacity (GB)	KIOXIA Model #	Dell P/N	*4*5*6 Random Read IOPS	*4 *5 *6 Random Write IOPS	Seq. Read MB/s	Seq. Writes MB/s	Min. TBV
PM6 24G SAS (SAS-4)				1,920	KPM6XRUG1T92	VRTN9	595K	125K	4,150	2,700	3,504
			ISE	3,840	KPM6XRUG3T84	2XVX2	595K	115K	4,150	2,450	7,008
	Read Intensive			7,680	KPM6XRUG7T68	YM0T1	595K	155K	4,150	3,700	14,016
	1 DWPD	Dell PowerEdge		1,920	KPM6WRUG1T92	H1P07	595K	125K	4,150	2,700	3,504
			FIPS	3,840	KPM6WRUG3T84	3VHY3	595K	115K	4,150	2,450	7,008
	Mixed Use 3 DWPD			7,680	KPM6WRUG7T68	5T78C	595K	155K	4,150	3,700	14,016
				800	KPM6XVUG800G	NNGV4	595k	145K	4,150	1,450	4,380
			ISE	1,600	KPM6XVUG1T60	CHIII	595k	265K	4,150	2,700	8,760
			FIPS	960	KPM6WVUG960G	J92FY	595k	105K	4,150	1,530	5,256
				1,920	KPM6WVUG1T92	1081V	595k	225K	4,150	3,000	10,512
				3,840	KPM6WVUG3T84	MD4YN	595k	205K	4,150	2,700	21,024
				1,920	KPM7XRUG1T92	6K35K	720K	155K	4,200	3,400	3,504
	Read Intensive 1 DWPD	_	ISE	3,840	KPM7XRUG3T84	MT0R5	720K	155K	4,200	3,650	7,008
				7,680	KPM7XRUG7T68	7N1WT	720K	175K	4,200	4,100	14,01
					KPM7XRUG15T3	19VGM	720K	160K			
				15,360					4,200	4,100	28,032
			FIPS	1,920	KPM7WRUG1T92	VGMCD	720K	155K	4,200	3,400	3,504
				3,840	KPM7WRUG3T84	YTVTF	720K	155K	4,200	3,650	7,008
				7,680	KPM7WRUG7T68	HCTYM	720K	175K	4,200	4,100	14,01
PM7				15,360	KPM7WRUG15T3	7VV3M	720K	160K	4,200	4,100	28,03
24G SAS (SAS-4)		Dell PowerEdge	ISE	800	KPM7XVUG960G	X96H8	720K	95K	4,200	1,750	5,256
(3A3-4)				1,600	KPM7XVUG1T60	4TRHM	720K	320K	4,200	3,400	8,760
		-		3,200	KPM7XVUG3T20	V0X40	720K	340K	4,200	3,650	17,52
				6,400	KPM7XVUG6T40	ROMNR	720K	355K	4,200	4,100	35,04
	Mixed Use 3 DWPD			12,800	KPM7XVUG12T8	G3DNT	720K	330K	4,200	4,100	70,08
	3 DWPD		FIPS	800	KPM7WVUG960G	81G77	720K	95K	4,200	1,750	5,25
				1,600	KPM7WVUG1T60	G4NY4	720K	320K	4,200	3,400	8,76
				3,200	KPMWVUG3T20	RGP9J	720K	340K	4,200	3,650	17,52
				6,400	KPMWVUG6T40	HDKT0	720K	355K	4,200	4,100	35,04
			SED	960	KRM6VRUG960G	GRY0J	160K	40K	840	710	1,752
	Dood lotonsin			1,920	KRM6VRUG1T92	1FGWG	160K	40K	840	710	3,504
	Read Intensive 1 DWPD Mixed Use 3 DWPD			3,840	KRM6VRUG3T84	XNXD2	160K	40K	840	710	7,008
RM6 12Gb/s SAS		Dell PowerEdge		7,680	KRM6VRUG7T68	5MHY8	160K	40K	840	710	14,01
(SAS-3)		Deli Fower Eage		· ·							
				960	KRM6VVUG960G	42XXC	160K	50K	840	710	5,256
				1,920	KRM6VVUG1T92	N15JP	160K	50K	840	710	10,51
				3,840	KRM6VVUG3T84	FXYGR	160K	50K	840	710	21,02
CD7 PCIe* 4.0, 2.5" (1x4 32GT/s)	Read Intensive 1 DWPD	Dell PowerEdge	ISE	960	KCD7XRUG960G	8082N	850K	53K	6,250	1,700	1,752
				3,840	KCD7XRUG3T84	RFYP9	1,100K	180K	6,650	3,200	7,008
CD7 PCle* 5.0, E3.S (1x4 32GT/s)	Read Intensive 1 DWPD	Dell PowerEdge	ISE	3,840	KCD7XRJE3T84	JHC6T	1,050K	178K	6,450	3,200	7,00
				7,680 1,920	KCD7XRJE7T68 KCM6XRUL1T92	KP4HG N0VK0	1,030K 1,300K	175K 100K	6,250	5,600 2,800	14,01 3,50
	Read Intensive 1 DWPD	Dell PowerEdge	ISE								
				3,840	KCM6XRUL3T84	8W2G5	1,400K	170K	6,900	4,200	7,00
CM6 PCIe* 4.0 (1x4, 2x2 16GT/s)				7,680	KCM6XRUL7T68	VD0JX	1,400K	170K	6,900	4,000	14,01
				15,360	KCM6XRUL15T3	J91CR	1,400K	170K	6,900	4,000	28,03
			FIPS	1,920	KCM6FRUL1T92	TXP72	1,300K	100K	6,900	2,800	3,50
				3,840	KCM6FRUL3T84	7YDNG	1,400K	170K	6,900	4,200	7,00
				7,680	KCM6FRUL7T68	PDWJY	1,400K	170K	6,900	4,000	14,01
				15,360	KCM6FRUL15T3	J6F35	1,400K	170K	6,900	4,000	28,03
	Mixed Use 3 DWPD		ISE	1,600	KCM6XVUL1T60	P03YC	1,300K	215K	6,900	2,800	8,76
				3,200	KCM6XVUL3T20	97GR0	1,400K	350K	6,900	4,200	17,52
				6,400	KCM6XVUL6T40	K916X	1,400K	325K	6,900	4,000	35,04
			FIPS	1,600	KCM6FVUL1T60	G7N00	1300K	215K	6,900	2,800	8,760
				3,200	KCM6FVUL3T20	78DH9	1,400K	350K	6,900	4,200	17,52
				1 1 1 1				-			

BiCS FLASH™ Memory

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

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 the specified lifetime. 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.

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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).

- SED (Self-Encrypting Drivel) with SAS interface supports TCG Enterprise SSC and SED with NVMe protocol supports TCG Opel and Ruby SSC. For a complete list of supported features, please review the product manual.

- FIPS SED optional models utilize security modules designed to comply with FIPS 14-02 or 140-3 which defines security requirements for cryptographic module by NIST (National Institute of Standards and Technology). For the latest validation status, please contact us in each region's website, https://www.kioxia.com/.

3. Definition of capacity. KlOkiA Corporation 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 1GB = 2th bytes = 1,073,741,824 bytes and 1TB = 2th 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 confirms are applications, or media content. Actual formatted capacity may vary.

4. KIRS - Akibibyte (KIB) means 2th, or 1,024 bytes.

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

6. Read and write speed may vary depending on various factors such as host devices, software (drivers, OS etc.), and read/write conditions.

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