

# Kioxia CD6-V Series KCD61VUL6T40

SSD - 6400 GB - internal - 2.5" - PCIe 4.0 (NVMe)

Group	HDDs
Manufacturer	Kioxia
Manufacturer item no.	KCD61VUL6T40
EAN/UPC	4582563852655



## Description

The CD6-V Series is a mixed-use data center NVMe SSD that is optimized to support a broad range of scale-out and cloud applications, including big data/IoT, online transaction processing and virtualization. Built with a PCIe Gen4 x4 interface, the CD6-V Series SSDs deliver consistent performance up to 1M IOPS (random read) and 250 KIOPS (random write), with active power consumption of 13-19 W. Featuring KIOXIA Corporation's 96-layer BiCS FLASH 3D TLC memory, CD6-V SSDs deliver 3DWPD (Drive Writes Per Day) of endurance and storage capacities up to 12.8 TB in a 2.5-inch form factor, making them well-suited for hyperscale data center applications.

## Main features

Product Description	KIOXIA CD6-V Series KCD61VUL6T40 - SSD - 6400 GB - PCIe 4.0 (NVMe)
Type	Solid state drive - internal
Capacity	6400 GB
NAND Flash Memory Type	3D triple-level cell (TLC)
Form Factor	2.5"
Interface	PCIe 4.0 (NVMe)
Features	Online Transaction Processing (OLTP), End-to-end data protection, Mixed-Use, Power Loss Protection (PLP), 96-layer 3D BiCS FLASH, NVM Express (NVMe) 1.4
Dimensions (WxDxH)	69.85 mm x 100.45 mm x 15 mm
Weight	130 g

## Extended details

General	
Device Type	Solid state drive - internal
Capacity	6400 GB
NAND Flash Memory Type	3D triple-level cell (TLC)
Form Factor	2.5"
Interface	PCIe 4.0 (NVMe)
Features	Online Transaction Processing (OLTP), End-to-end data protection, Mixed-Use, Power Loss Protection (PLP), 96-layer 3D BiCS FLASH, NVM Express (NVMe) 1.4
Width	69.85 mm
Depth	100.45 mm
Height	15 mm

Weight	130 g
<b>Performance</b>	
Drive Writes Per Day (DWPD)	3
Internal Data Rate	6200 MBps (read) / 4000 MBps (write)
4KB Random Read	1000000 IOPS
4KB Random Write	250000 IOPS
<b>Reliability</b>	
MTBF	2,500,000 hours
24x7 Operation	Yes
<b>Expansion &amp; Connectivity</b>	
Interfaces	1 x PCI Express 4.0 (NVMe)
Compatible Bay	2.5"
<b>Power</b>	
Power Consumption	19 Watt (active)
<b>Manufacturer Warranty</b>	
Service & Support	Limited warranty - 5 years
<b>Environmental Parameters</b>	
Min Operating Temperature	0 °C
Max Operating Temperature	70 °C
Humidity Range Operating	5 - 95%
Shock Tolerance (operating)	1000 g @ 0.5 ms
Vibration Tolerance (operating)	2.17 g @ 5-800 Hz

Technical data © 1WorldSync. Subject to technical modifications and errors.