

# Haishen3 Series

## DapuStor Enterprise NVMe SSD



DapuStor Haishen3 Series is built on KIOXIA 96/112L 3D eTLC NAND with Marvell enterprise controller and provides excellent performance for enterprise-level data storage solutions. For the storage capacity, DapuStor Haishen3 Series supports storage capacities from 0.96 TB to up to 7.68 TB and offers customised features such as Open Channel, KV, and Zoned Namespace.



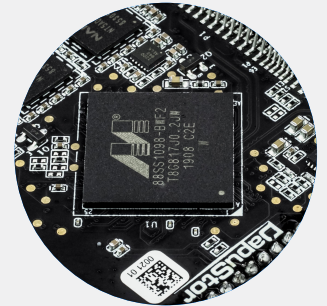
### KIOXIA 96/112L 3D eTLC NAND

The DapuStor Haishen3 Series with KIOXIA 96/112L 3D eTLC NAND offers various capacity options, higher storage density and less space.

KIOXIA's BiCS FLASH is a three-dimensional(3D) vertical flash memory cell structure. This structure enables it to surpass the capacity of mainstream 2D (planar) flash memory.

### Marvell® SSD Controller

PCIe Gen3x4, 8-Channel NAND Controller with NVMe interfaces supporting up to 8TB capacity. The Marvell® 88SS1098 enables high-performance and high-capacity SSDs for use in enterprise and data center environments.

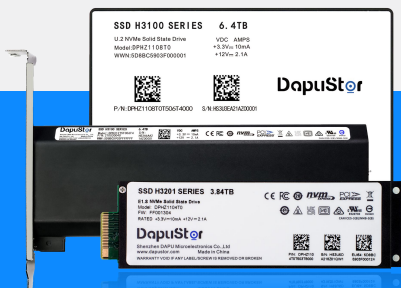


### Higher IOPS/Watt For Lower TCO

DapuStor Haishen3 Series is optimised for high speed with low power consumption. By adopting unique Smart-IO technology with Marvell enterprise controller, DapuStor Haishen3 Series generates a 20% to 40% higher IOPS/Watt ratio for lower TCO.

### Longer Lifetime

DapuStor Haishen3 Series adopts the machine learning algorithm Smart-IO to lower WAF and extend SSD lifespan.



### Enhanced Security And Reliability

For security and reliability, the DapuStor Haishen3 Series enhances end-to-end data protection on both firmware and hardware paths, including DOR ECC, LDPC, and power loss projection.

# Haishen3 Series

## DapuStor Enterprise NVMe SSD



### Professional Customisation

Based on a portable, modular design, and algorithm the DapuStor Haishen3 Series supports advanced features customisation such as Dual Port, SRIOV, Multi-stream, IOD, and new technologies such as Open Channel, KV, and Zoned Namespace.

### Product Spec

PCN (Product Code Name)	H3200				H3100				H3200		H3100	
	Capacity(TB)	0.96	1.92	3.84	7.68	0.8	1.6	3.2	6.4	3.84	7.68	3.2
Form Factor	U.2 & E1.S											
Interface	PCIe 3.0 x4, NVMe 1.3											
Flash Type	96L 3D eTLC NAND								112L 3D eTLC NAND			
Read Bandwidth (128KB) MB/s	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500	3500
Write Bandwidth (128KB) MB/s	1350	2700	3100	3100	1350	2700	3000	3000	2900	3100	2900	3100
Random Read (4KB) KIOPS	580	820	820	820	580	820	820	820	820	820	820	820
Random Write (4KB) KIOPS	68	115	130	125	140	240	250	230	120	130	260	250
Power	7.0/8.5	8.0/10	9.0/11	10/12.5	7.0/8.5	7.5/10	8.0/11	8.5/12.5	9.5/12	9.5/12	9.0/12	9.0/12
4K Random Latency (Typ.) RW $\mu$ s	85/15								85/12		85/13	
4K Sequential Latency (Typ.) RW $\mu$ s	15/15								14/12		14/13	
Endurance	1 DWPD				3 DWPD				1 DWPD		3 DWPD	
MTBF	2 million hours											
UBER	1 sector per $10^{17}$ bits read											
Warranty	5yrs											

\*Differences in hardware, software, or configuration will affect actual test results.



+86 400-9938-968



<http://en.dapustor.com/>



3501 Chuangtuo Building, No.9 Tengfei Road, Huanggekeng Community, Longcheng Street, Longgang District, Shenzhen, China  
Room 1802-1, Xinzhongguan Gate Tower B, No.19 Zhongguancun Street, Haidian District, Beijing



Copyright© DapuStor Corporation All rights reserved.

Any third party can't extract or copy any part or the whole content of the document without the permission of the company. And any third party can't distribute in any way.

All trademarks in this document belong to DapuStor Corporation

DapuStor | KIOXIA