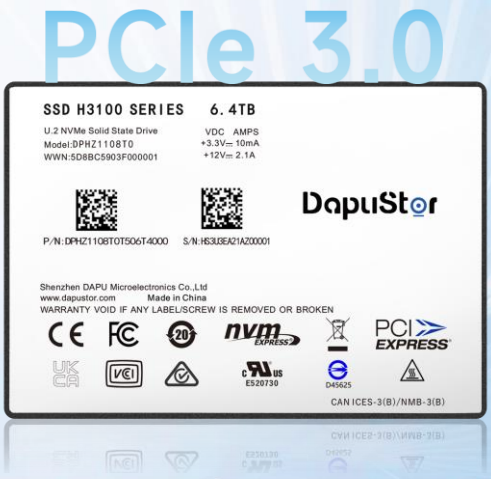
DapuStor

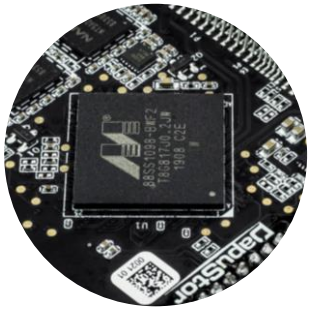
Haishen3 Series

DapuStor Enterprise NVMe SSD



The DapuStor Haishen3 Series is built on 3D eTLC NAND Flash 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.

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

The 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

The 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

| Product Specifications

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	6.4
Form Factor	U.2 & AIC								U.2			
Interface	PCIe 3.0 x 4, NVMe 1.3											
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)K IOPS	580	820	820	820	580	820	820	820	820	820	820	820
Random Write (4KB) K IOPS	68	115	130	125	140	240	250	230	120	130	260	250
4K Random Latency (Typ.) R/W µs	85/15								81/12		81/13	
4K Sequential Latency (Typ.) R/W µs	15/15								14/12		14/13	
Power(W)	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
Flash Type	3D eTLC NAND Flash											
Endurance	1 DWPD				3 DWPD				1 DWPD		3 DWPD	
MTBF	2 million hours											
UBER	1 sector per 10^17 bits read											
Warranty	5 yrs											

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

mkt@dapustor.com

+86 400-9938-968

http://en.dapustor.com/

Chuangtou Building, Longgang District, Shenzhen , China

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