

Haishen3 Series

DapuStor Enterprise NVMe SSD



DapuStor Haishen3 series is built on the latest 112L 3D eTLC NAND with a leading enterprise controller and provides excellent performance for enterprise-level data storage solutions. DapuStor Haishen3 series supports up to 8TB of storage capacity and offers customised features such as Open Channel, KV and Zoned Namespace.

Higher IOPS/Watt For Lower TCO

DapuStor Haishen3 series is optimised for speed and power efficiency. By adopting unique Smart-IO technology with an industry-leading enterprise controller, DapuStor Haishen3 Series generates a 20% to 40% higher IOPS/Watt ratio for lower TCO.

Enhanced Security And Reliability

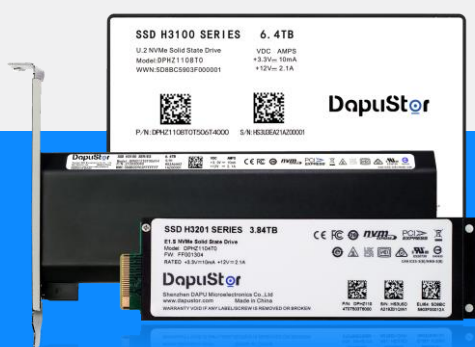
For security and reliability, the DapuStor Haishen3 series enhances end-to-end data protection on both firmware and hardware paths, including DOR ECC, LDPC, and power loss projection.

Longer Lifetime with Lower Cost

DapuStor Haishen3 series uses the machine learning algorithm Smart-IO to lower WAF and increase SSD lifetime.

Orie Size Fitting All

DapuStor Haishen3 series is built on the latest 112L 3D eTLC NAND for more flexible capacity options, higher storage density and less space.



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.

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Product Spec

PCN (Product Code Name)	H3200		H3100	
Capacity(TB)	3.84	7.68	3.2	6.4
Form Factor	U.2			
Interface	PCIe 3.0 x4, NVMe 1.3			
Flash Type	112L 3D eTLC NAND			
Read Bandwidth (128KB) MB/s	3500	3500	3500	3500
Write Bandwidth (128KB) MB/s	2900	3100	2900	3100
Random Read (4KB) KIOPS	820	820	820	820
Random Write (4KB) KIOPS	120	130	260	250
Power	9.5/12	9.5/12	9.0/12	9.0/12
4K Random Latency (Typ.)RW μ s	81/12		81/13	
4K Sequential Latency (Typ.)RW μ s	14/12		14/13	
Endurance	1 DWPD		3 DWPD	
MTBF	2 million hours			
UBER	1 sector per 10^{17} bits read			
Supported OS	RHEL, SLES, CentOS, Ubuntu, Windows Server, VMware ESXi			
Certification	FCC, CE, ROHS, REACH, WEEE, PCI express, NVM express			

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



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