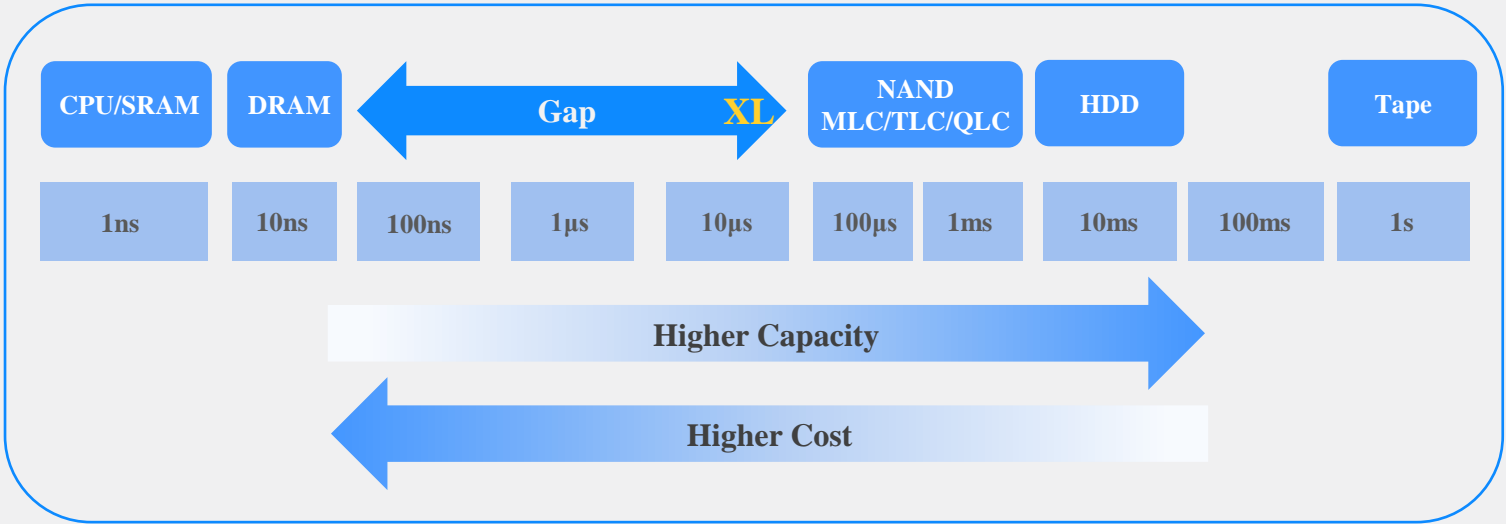


Haishen3-XL

DapuStor Enterprise SCM



As machine learning, artificial intelligence, and real-time data analysis are widely deployed, real-time data processing becomes more and more important. How to find the best balance between key factors such as performance, price, and capacity remains a challenge for the storage industry. DapuStor introduces a new Storage Class Memory (SCM) product based on the latest XL-FLASH, which provides extremely low latency, long life and ultra-high performance for great product experience.



Ultra-low Latency With High Performance

Adopting industry leading XL-FLASH and DapuStor patented Smart-IO technology, Haishen3-XL exhibits 20μs ultra-low read latency and up to 3.5GB/3.2GB bandwidth, 830K/350K IOPS at low queue depth workloads.

Industry Leading Endurance

Ultra-high performance scenarios usually require high endurance. Based on the optimized SLC-class Fast NAND, Haishen3-XL delivers very high endurance with up to 30 DWPD.



Haishen3-XL

DapuStor Enterprise SCM

Product Spec

PCN (Product Code Name)	H3900		
Capacity(TB)	0.75TB	0.8TB	1.6TB
Form Factor	U.2 & AIC		
Interface	PCIe 3.0 x4, NVMe 1.3		
Flash Type	96L 3D XL-FLASH		
Read Bandwidth(128KB)MB/s	3500	3500	3500
Write Bandwidth(128KB)MB/s	2900	2900	2900
Random Read(4KB)KIOPS	830	850	840
Random Write(4KB)KIOPS	350	280	285
Power	8.0/10	8.0/10	9.0/11
4K Random Latency(Typ.)RW μ s	33/15 20/9		
4K Sequential Latency(Typ.)RW μ s	33/15		
Endurance	30 DWPD		
UBER	1 sector per 10^{17} bits read		
MTBF	2 million hours		
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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