

Enterprise-class high-performance NVMe SSD ES3000-G V6 series









High performance



- The sequential read bandwidth is up to 7400MB/s, and the random read bandwidth is up to 1.7 million IOPS
- 11µs Ultra-low write latency

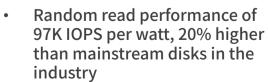


High reliability

- Average trouble-free time is 2.5 million hours
- Self-developed FSP/LDPC algorithm, unrepairable error bit rate below 10⁻¹⁸
- Intelligent multi-stream technology effectively reduces write amplification and prolongs service life



High energy efficiency



 9 power intelligent dynamic adjustment, adapt to a variety of customer scenarios



Easy operation and maintenance

- Violent hot swap is supported
- Supports no-restart and internal online upgrade
- Complete log system, fast root cause location
- Firmware second-level activation, one-click repair



■ Technical Specification

Model number		ES3500-G V6	ES3600-G V6
Base specification	capacity	1920/3840/7680GB	1600/3200/6400GB
	form	U. 2,2.5 inches, 15mm thickness	
	port	PCIe 4.0 x4	
	NAND Flash	3D TLC	
Basic property	Sequential read	Up to 7400MB/s	
	Sequential write	Up to 4800MB/s	
	Random read	Up to 1700K IOPS (4KB)	
	Random write	Up to 220K IOPS (4KB)	Up to 400K IOPS (4KB)
	Read delay	Up to 68 μs	
	Write delay	Up to 11 μs	
Life span	DWPD (5 years)	1	3
Power dissipation	Average power consumption	Idle 8.5W, Active 17.5~21W	
Reliability	Power failure protection	support	
	Particle failure protection	support	
	Mean time to failure (MTBF)	2.5 million hours	
	Annual failure rate (AFR)	≤0.35%	
	Bit error rate (UBER)	10^{-18}	
peculiarity	peculiarity	Supports 512/4096 series sector sizes Support online diagnosis and online refurbishment The NVMe command is used for upgrade	
	Advanced features	Intelligent multi-stream /SR-IOV/ Atomic write /TRIM, etc	



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