



光语
GLORY

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

Datasheet



High performance

- Super high IOPS/ bandwidth 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, unreparable error bit rate below 10⁻¹⁸
- Intelligent multi-stream technology effectively reduces write amplification and prolongs service life



High energy efficiency

- Random read performance of 97K IOPS per watt, 20% higher than mainstream disks in the industry
- 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 μ s	
	Write delay	Up to 11 μ s	
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)	$\leq 0.35\%$	
	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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