



光语
GLORY

Enterprise high performance NVMe SSD ES3000-G V7 series

Datasheet



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STORAGE

SSD Components



High performance

- Industry-leading performance specifications
- Sequential read and write up to 14.8GB/s, 11GB/s
- Random read and write up to 3.45 million IOPS, 460,000 IOPS
- 7μs 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

- Energy efficiency than the industry leading, the actual business better power consumption
- Active power consumption less than 20W, 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 V7	ES3600-G V7
Base specification	capacity	1920/3840/7680GB/15.36TB	1600/3200/6400GB
	form	U. 2,2.5 inches, 15mm thickness	
	port	PCIe 5.0 x4	
	NVMe protocol	NVMe 2.0	
	NAND Flash	3D TLC	
Basic property	Sequential read	Up to 14800MB/s	
	Sequential write	Up to 11000MB/s	
	Random read	Up to 3450K IOPS (4KB)	
	Random write	Up to 460K IOPS (4KB)	Up to 810K IOPS (4KB)
	Read delay	Up to 55 μs	
	Write delay	Up to 7 μs	
Life span	DWPD (5 years)	1	3
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/dynamic OP/Burst GC/NVMe2.0/SR-IOV/ atomic write /TRIM and so on	



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