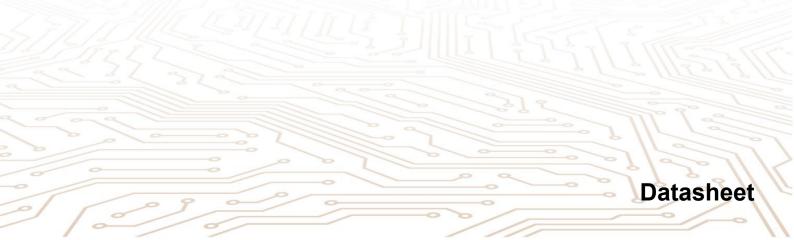
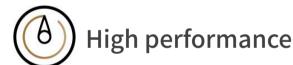


ES3521A-G Enterprise-class high-performance read-intensive SATA SSD







- Sequential read/write bandwidth up to 560/530 MB/s
- Random read/write IOPS@4KB up to 480GB: 98k/50k



High reliability

- Mean Time between failures (MTBF):
 2.5 million hours annual failure rate (AFR): ≤0.35%
- Bit error rate (UBER): 10⁻¹⁷



Low power consumption

 Idle power consumption is less than 1.3w, and active power consumption is about 3.7w



Highly maintainable

 Supports monitoring whether data written to the host every day is reasonable early warning Supports immediate activation after the upgrade



■ Technical Specification

Capacity	480GB	960GB	1920GB	3840GB
Form	U.2 2.5-inch disk			
Bus interface	SATA 3.0 6Gb/s			
Flash particle	3D TLC			
Quality guarantee	1 DWPD,5 years			
Weight	182g			
Reliability	Mean Time between failures (MTBF): 2.5 million hours Annual failure rate (AFR): ≤0.35% Bit error rate (UBER): 10-17			
Temperature	Storage temperature: -40° C ~ $+85^{\circ}$ C Operating temperature: 0° C ~ 78° C			
Read/write bandwidth MB/s	Upto 560/530			
Random read IOPS(4KB)	98K	98K	98K	98K
Random write IOPS(4KB)	Upto 50K	Upto 47K	Upto 45K	Upto 46K
Total Data Write (PBW)	0.876	1.752	3.504	7
Average read latency @4KB(μs)	140	140	140	100
Average write latency @4KB(μs)	45	45	45	35
RMS power consumption	1.3W (idle), 3.5W (active)	1.3W (idle) , 3.5W (active)	1.3W (idle) , 3.7W (active)	1.1W (idle) , 3.7W (active)



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