

**PRODUCT SPECIFICATIONS**

NEUBE ENTERPRISE DATA 2.5 TLC SSD						
Features	Interface	SATA Gen3, SATA Revision 3.2				
	NAND Flash	3D TLC				
	Key Features	<ul style="list-style-type: none"> <li>• LDPC</li> <li>• Power Loss Data Protection</li> <li>• End-to-end Data Protection</li> </ul>				
<b>SA50P</b>						
Hardware Information	Capacity	480GB	960GB	1920GB	3840GB	7680GB
	Sequential Read	530MB/s	530MB/s	530MB/s	530MB/s	530MB/s
Performance	Sequential Write	360MB/s	500MB/s	500MB/s	500MB/s	500MB/s
	Random Read	92K IOPS	98K IOPS	98K IOPS	92K IOPS	97K IOPS
	Random Write	20K IOPS	33K IOPS	40K IOPS	30K IOPS	23K IOPS
Power Consumption	Max	2.7W	3.1W	3.1W	3.4W	3.4W
	Idle	1.3W	1.3W	1.4W	1.5W	1.6W
Latency	4K Random Read	140us	120us	120us	130us	160us
	4K Random Write	50us	40us	30us	35us	45us
	TBW	1210TB	1725TB	3564TB	9682TB	14650TB
Reliability	MTBF	2 million hrs				
	UBER	< 1 sector per 10 <sup>17</sup> bits read				
	Power On/Off Cycles	24 times per day within warranty period				
	DWPD	1				
Power	Commercial grade temperature & humidity test	Yes				
Environment Specifications	Shock	1500G/0.5ms				
	Vibration	20Hz~80Hz/1.52mm 80Hz~2000Hz/20G				
	Drop	80cm height/each face				
	Bending	≥ 20Nforce				
	Thermal Cycling	-40°C-85°C/1000 cycles with 50% cumulative failure. (IPC-9701)				
	RoHS compliant	Yes				
Warranty	Period	5-year limited				



The data within this specification is subject to change by NEUBE without notice. Performance numbers may vary based on system configuration and testing conditions. COPYRIGHT © 2024 NEUBE, ALL RIGHTS RESERVED.

