

PRODUCT SPECIFICATIONS

NEUBE 2.5 " TLC SATA SSD		
Interface	SATA Gen3, SATA Revision 3.2	
Flash Interface	Transfer rate up to 533MBps	
Series	ESM1D10 Series	
Hardware Information	Capacity	7680GB
	Form Factor	2.5" SSD
	Dimensions	100.00mm (L) x 69.85mm (W) x 7.00mm (H)
Sustained Performance	Sequential Read	up to 530MB/s
	Sequential Write	up to 500MB/s
	Random Read	up to 97K IOPS
	Random Write	up to 42K IOPS
Reliability	Temperature Range	<ul style="list-style-type: none"> ▪ Operation: 0 °C ~ 70 °C ▪ Storage: -40 °C ~ 85 °C
	MTBF	1.5million hrs
	UBER	< 1 sector per 10 ¹⁷ bits read
	Power On/Off Cycles	24 times per day within warranty period
	DWPD	1
	TBW	14650TB
Power	(Power supply of 2.5" SSD: 5V±10%)	<ul style="list-style-type: none"> ▪ Active Write (Typ.) < 3.8W ▪ Active Read (Typ.) < 2.8W ▪ Idle < 1.6W
Environment Specifications	Commercial grade temperature & humidity test	Yes
	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	
HW Pfail	Support Tantalum	
Warranty	5 year limited	