

PRODUCT SPECIFICATIONS

NEUBE 2.5 " TLC SATA SSD		
Interface	SATA Gen3, SATA Revision 3.2	
Flash Interface	Transfer rate up to 533MBps	
Series	ESM1720 Series	
Hardware Information	Capacity	480GB, 960GB, 1920GB
	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 98K IOPS
	Random Write	up to 50K 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	1210TB –480GB 1725TB –960GB 3564TB –1920GB
Power	(Power supply of 2.5" SSD: 5V±10%)	<ul style="list-style-type: none"> ▪ Active Write (Typ.) < 3.3W ▪ Active Read (Typ.) < 2.5W ▪ Idle < 1.4W
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 Aluminium Capacitor	
Warranty	5 year limited	