

ESD250C – USB 10Gb/s SSD



Features

- RoHS compliant
- Provides great shock resistance
- Slim, elegant, light design and aluminum case
- Non-volatile Flash Memory for outstanding data retention
- USB Type-C
- support USB 3.1 Gen2
- OTG device supported
- USB-C to USB-C & USB-C to USB-A cables available

Specifications

Physical Specification			
Storage Capacities		240 GB to 480 GB	
Dimensions	Length	120.16 ± 0.15 mm	4.73 inch ± 0.006 inch
	Width	33.60 ± 0.15 mm	1.32 ± 0.006 inch
	Height	7.5 ± 0.15 mm	0.3 inch ± 0.006 inch
Interface		USB 3.1 Gen2	
Input Voltage		5V ± 5%	
Weight (MAX)		47g	

Environmental Specifications	
Operating Temperature	Commercial (0 °C to +60 °C)
Humidity	5% to 95%, non-condensing
Vibration	5 - 800 Hz, 20 G (peak-to-peak)
Shock	1500 G, 0.5 ms, 3axis
Warranty	3 years limited

Performance						
Model P/N	AJA		CrystalDiskMark			
	Max. Read (MB/s)	Max. Write (MB/s)	Sequential Read (MB/s)	Sequential Write (MB/s)	Random Read (4KB QD32) (MB/s)	Random Write (4KB QD32) (MB/s)
TS240GESD250C	520	460	520	460	250	200
TS480GESD250C	520	460	520	460	300	200

Note: Maximum transfer speed recorded

* 25 °C, test on ASUS Z270, 4 GB, Windows® 8.1 Professional with USB3.1 Gen2 port, benchmark utility CrystalDiskMark (version 5.1.2), copied file 1000MB, unit MB/s.

** 25 °C, test on MacBook Air 13-inch, 4 GB, MacOS High Sierra 10.13.6 with USB3.1 Gen2 port, AJA System Test Speed Test tool is used.

*** The recorded performance is obtained while the SSD is not operating as an OS disk.

Power Requirements			
Input Voltage		5V ± 5% @ 25°C	
Mode P/N / Power Consumption		Typical (mA)	
TS240GESD250C	Max Write*	510mA	
	Max Read*	630mA	
	Idle*	225mA	
TS480GESD250C	Max Write*	615mA	
	Max Read*	615mA	
	Idle*	225mA	

Reliability			
Endurance (Terabytes Written)	Capacity	*TBW	**TBW (base on JEDEC Standard)
	240 GB	80	40
	480 GB	160	80

*Tested under burn-in tool, TBW value may vary due to host environment

**Tested under JESD219A endurance workloads specification