



Features

- Sustained read up to 480 MB/s
- Sustained write up to 410 MB/s
- Capacity: 64, 128, 256, 512 GB
- SATA 6 Gb/s interface
- Toshiba 24nm/ 32nm MLC Toggle NAND Flash
- High IOPS (ASD26)
- Shock and vibration resistant

Specifications

Physical

Capacity	ASD26: 128, 256, 512 GB ASD25: 64, 128, 256 GB
Flash Components	Multi-Level Cell (MLC) NAND
Interface	SATA 6 Gb/s
Form Factor	2.5" form factor
Dimensions	100 x 68.85 x 9.5mm (L x W x H)
Weight	80 g

Performance

Bandwidth	ASD26 128 GB: Sustained read/write up to 480/200 MB/s 256 GB: Sustained read/write up to 480/340 MB/s 512 GB: Sustained read/write up to 480/410 MB/s ASD25 64 GB: Sustained read/write up to 350/100 MB/s 128 GB: Sustained read/write up to 400/200 MB/s 256 GB: Sustained read/write up to 400/300 MB/s
Read and Write IOPS	ASD26 128 GB: Random 4KB read/write up to 68,000/47,000 IOPS 256 GB: Random 4KB read/write up to 68,000/63,000 IOPS 512 GB: Random 4KB read/write up to 51,000/26,000 IOPS ASD25 64 GB: Random 4KB read/write up to 15,000/6,000 IOPS 128 GB: Random 4KB read/write up to 15,000/9,000 IOPS 256 GB: Random 4KB read/write up to 15,000/9,000 IOPS
Power on to ready	<1.0 sec

Environmental

Operating Temperature	Commercial: 0°C to 70°C Industrial: -40°C to 85°C (ASD25)
Storage Temperature	-40°C to 85°C
Shock	1,500 G, 0.5 ms
Vibration	Operating: 7-800 Hz, 2.17 Grms Non-operating: 7-800 Hz, 3.08 Grms
Certifications	UL, CE, RoHS, BSMI, Microsoft WHQL

Compatibility

SATA	SATA Revision 3.0 compliant: compatible with SATA 1.5 Gb/s, 3 Gb/s & 6 Gb/s interface
	ATA/ATAPI- 8 compliant
	SSD enhanced SMART ATA feature set
	Native Command Queuing (NCQ) command set
	TRIM supported

Power Requirements

Management	5V SATA SATA interface power management OS-aware hot plug/removal
Connector	15-pin SATA connector for DC 5V input

Reliability

MTBF	1,500,000 hours
Long Life Support	Minimum of 3 years useful life

Ordering Information

Model Number	Description/Configuration
ASD26-MLC128G-CT	2.5" SATA 6 Gb/s SSD 128 GB , MLC type, (0°C~70°C)
ASD26-MLC256G-CT	2.5" SATA 6 Gb/s SSD 256 GB, MLC type, (0°C ~70°C)
ASD26-MLC512G-CT	2.5" SATA 6 Gb/s SSD 512 GB, MLC type, (0°C ~70°C)
ASD25-MLC64G-ET	2.5" SATA 6 Gb/s SSD 64 GB, MLC type, (-40°C ~85°C)
ASD25-MLC128G-ET	2.5" SATA 6 Gb/s SSD 128 GB, MLC type, (-40°C ~85°C)
ASD25-MLC64G-CT	2.5" SATA 6 Gb/s SSD 64 GB, MLC type, (0°C ~70°C)
ASD25-MLC128G-CT	2.5" SATA 6 Gb/s SSD 128 GB, MLC type, (0°C ~70°C)
ASD25-MLC256G-CT	2.5" SATA 6 Gb/s SSD 256 GB, MLC type, (0°C ~70°C)

Dimensions

