ASD26-MT1 ET/CT Series
2.5" SATA 6Gb/s SSD with 19nm Toggle MLC NAND Flash

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Features

- Sustained read up to 530 MB/s
- Sustained write up to 450 MB/s
- Capacity: 32, 64, 128, 256, 512 GB
- SATA 6Gb/s interface
- 19nm Multi-level cell NAND Flash with Toggle Mode technology
- Shock and vibration resistant
- Marvell 88SS9187 controller

Specifications

Physical

Capacity	32, 64, 128, 256, 512GB GB
Flash Components	Multi-Level Cell (MLC) NAND
Interface	SATA 6Gb/s
Form Factor	2.5" slim design form factor
Dimensions	100 x 68.85 x 9.5mm (L x W x H)
Weight	80 g

Performance

Bandwidth (to be update)	**CT Series** 512GB: Sustained read/write up to 530/450 MB/s 256GB: Sustained read/write up to 530/440 MB/s 128GB: Sustained read/write up to 530/310 MB/s 64GB: Sustained read/write up to 360/160 MB/s 32GB: Sustained read/write up to 360/80 MB/s **ET Series** 512GB: Sustained read/write up to 400/400 MB/s 256GB: Sustained read/write up to 400/400 MB/s 128GB: Sustained read/write up to 400/280 MB/s 64GB: Sustained read/write up to 360/160 MB/s 32GB: Sustained read/write up to 360/80 MB/s
Read and Write IOPS	**CT Series** 512GB: Random 4KB read/write: up to 94,000/81,000 IOPS 256GB: Random 4KB read/write: up to 95,000/80,000 IOPS 128GB: Random 4KB read/write: up to 89,000/75,000 IOPS 64GB: Random 4KB read/write: up to 40,000/40,000 IOPS 32GB: Random 4KB read/write: up to 40,000/20,000 IOPS **ET Series** 512GB: Random 4KB read/write: up to 70,000/70,000 IOPS 256GB: Random 4KB read/write: up to 70,000/70,000 IOPS 128GB: Random 4KB read/write: up to 70,000/50,000 IOPS 64GB: Random 4KB read/write: up to 50,000/40,000 IOPS 32GB: Random 4KB Read: up to 40,000/20,000 IOPS

Environmental

Operating Temperature	Commercial: 0°C to 70°C
	Industrial: -40°C to 85°C
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	FCC, UL, CE , RoHS

Compatibility

SATA	SATA Revision 3.0 compliant: compatible with SATA 1.5Gb/s, 3Gb/s & 6Gb/s interface
	ATA/ATAPI- 8 compliant
	SSD enhanced SMART ATA feature set

Native Command Queuing (NCQ) command set
TRIM supported
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Power Requirements

Management	5V SATA
	SATA interface power management
	OS-aware hot plug/removal
Connector	15-pin SATA connector for DC 5V input
Power on to ready	<1.0 sec

Reliability

MTBF	1,500,000 hours
Long Life Support	Minimum of 5 years useful life

Ordering Information

Model Number	Description/Configuration
ASD26-MT1512-CT	2.5" 512GB SATA 6Gb/s SSD series, 19nm MLC type, (0°~70°)
ASD26-MT1512-ET	2.5" 512GB SATA 6Gb/s SSD series, 19nm MLC type, (-40°~85°)
ASD26-MT1256-CT	2.5" 256GB SATA 6Gb/s SSD series, 19nm MLC type, (0°~70°)
ASD26-MT1256-ET	2.5" 256GB SATA 6Gb/s SSD series, 19nm MLC type, (-40°~85°)
ASD26-MT1128-CT	2.5" 128GB SATA 6Gb/s SSD series, 19nm MLC type, (0°~70°)
ASD26-MT1128-ET	2.5" 128GB SATA 6Gb/s SSD series, 19nm MLC type, (-40°~85°)
ASD26-MT1064-CT	2.5" 64GB SATA 6Gb/s SSD series, 19nm MLC type, (0°~70°)
ASD26-MT1064-ET	2.5" 64GB SATA 6Gb/s SSD series, 19nm MLC type, (-40°~85°)
ASD26-MT1032-CT	2.5" 32GB SATA 6Gb/s SSD series, 19nm MLC type, (0°~70°)
ASD26-MT1032-ET	2.5" 32GB SATA 6Gb/s SSD series, 19nm MLC type, (-40°~85°)

Dimensions

Units: mm

M3 screw holes (4X)
(Screw depth into drive=3.0mm Max.)

M3 screw holes (4X)
(Screw depth into drive=3.5mm Max.)

69.85 ± 0.38
61.72 ± 0.2 (2X)
4.065 ± 0.2 (2X)
9.4 ± 0.2 (2X)
100 ± 0.38
76.6 ± 0.2 (2X)
0.3 (REF)
DETAIL A
SCALE 2/1
14 ± 0.2 (2X)
SEE DETAIL A
9.365 ± 0.2 (2X)
3 ± 0.2 (4X)
14 ± 0.2 (2X)
4.8 (REF)
30.125 ± 0.38
9.5 ± 0.2
HDD CENTER
SATA CONNECTOR CENTER
3.5 ± 0.38