

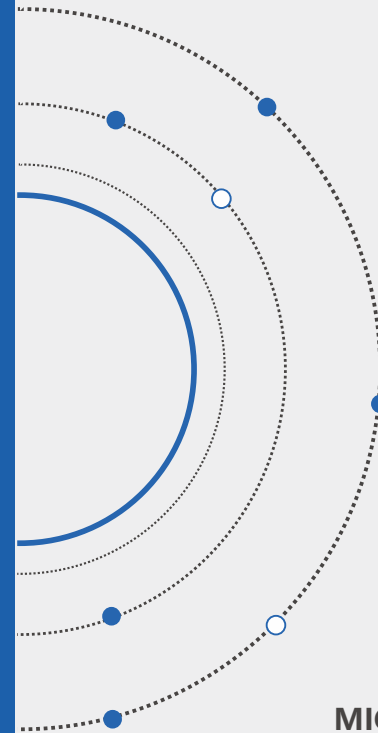
Over 10 years

Solid State Drive

manufacturing Expert



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- Quality is life
- Service is tenet

**MICROYANG ELECTRONICS TECHNOLOGY LIMITED**



### Selected 3D NAND Flash Particle

Adopts 64-layer 3D NAND flash particles, the storage density is higher than normal 2D flash. Life and durability are also three times that of QLC particles under the same capacity, with higher speed and stable performance.

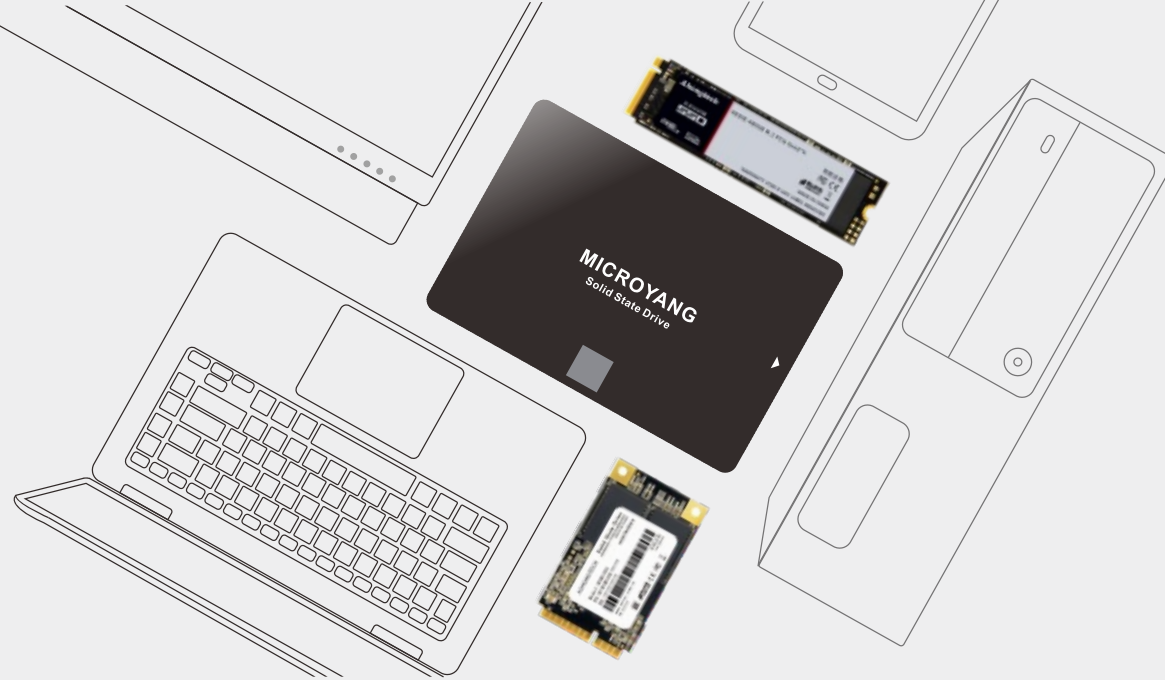


2.5 Inch SATAIII



Available Capacities	128GB	256GB	512GB	1TG	2TB
Seq . Read(Up to)	560MB/S	560MB/S	560MB/S	560MB/S	560MB/S
Seq . Write(Up to)	530MB/S	530MB/S	530MB/S	530MB/S	530MB/S
Rnd. Read(Up to)	95K IOPS	95K IOPS	95K IOPS	95K IOPS	95K IOPS
Rnd. Write(Up to)	81K IOPS	81K IOPS	81K IOPS	81K IOPS	81K IOPS
TBW	100	200	400	500	600

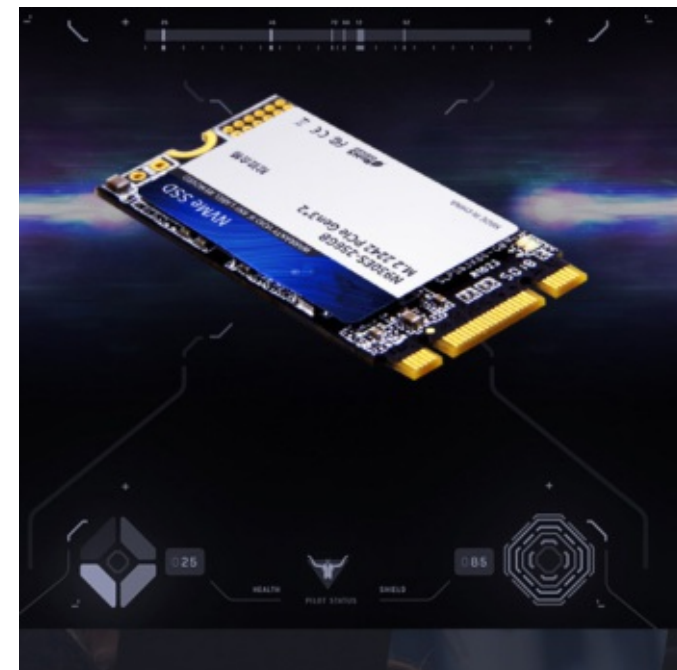
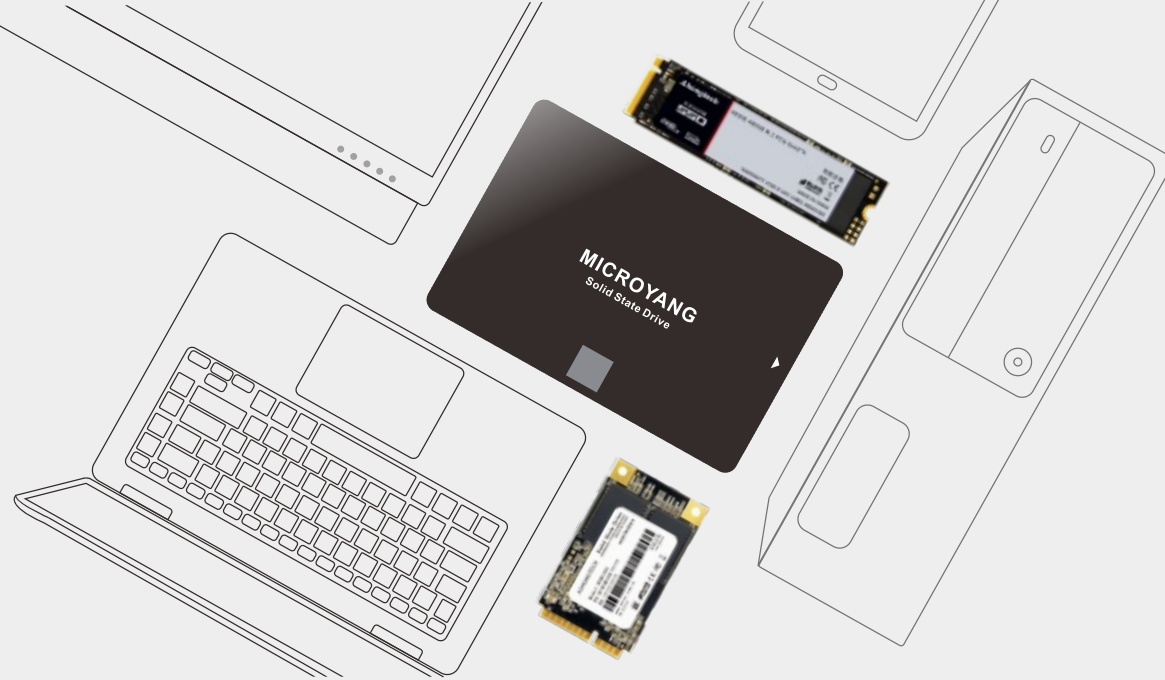
Dimensions:	2.75 x 3.96 x 0.28 in. (69.95 mm x 100.5 mm x 7.0 mm)
Interface	SATA Revision 3.0(6Gb/s)
Operation temperature	32 F to 158 F (0 C to 70 C)
Shock	Resistant up to 1500G @ 0.5m/Sec
Vibration	5 gRMS, 10-2000 HZ / 4.9 gRMS, 7-800 HZ



MSATA



Available Capacities	128GB	256GB	512GB	1TG	2TB
Seq . Read(Up to)	560MB/S	560MB/S	560MB/S	560MB/S	560MB/S
Seq . Write(Up to)	530MB/S	530MB/S	530MB/S	530MB/S	530MB/S
Rnd. Read(Up to)	95K IOPS	95K IOPS	95K IOPS	95K IOPS	95K IOPS
Rnd. Write(Up to)	81K IOPS	81K IOPS	81K IOPS	81K IOPS	81K IOPS
TBW	100	200	400	500	600
Dimensions:	2.04 x 1.20 x 0.16 in. (51 mm x 30 mm x 4.0 mm)				
Interface	SATA Revision 3.0(6Gb/s)				
Operation temperature	32 F to 158 F (0 C to 70 C)				
Shock	Resistant up to 1500G @ 0.5m/Sec				
Vibration	5 gRMS, 10-2000 HZ / 4.9 gRMS, 7-800 HZ				



M.2 Series



M2 2280



M2 2242

Available Capacities	128GB	256GB	512GB	1TG	2TB
Seq . Read(Up to)	560MB/S-1800MB/S	560MB/S-1800MB/S	560MB/S-1800MB/S	560MB/S-1800MB/S	560MB/S-2000MB/S
Seq . Write(Up to)	530MB/S-660MB/S	530MB/S-670MB/S	530MB/S-1000MB/S	530MB/S-1100MB/S	530MB/S-1100MB/S
Rnd. Read(Up to)	95K IOPS	95K IOPS	95K IOPS	95K IOPS	95K IOPS
Rnd. Write(Up to)	81K IOPS	81K IOPS	81K IOPS	81K IOPS	81K IOPS
TBW	100	200	400	500	600
Dimensions:	3.17 x 0.86 x 0.078 in. (80.52 x 21.84 x 1.98 mm)				
Interface	NGFF or M.2 PCIe 3.0 x4 NVMe, can take 22x80 mm form factor				
Operation temperature	32 F to 158 F (0 C to 70 C)				
Shock	Resistant up to 1,500G @0.5 ms half sine				
Vibration	5 gRMS, 10-2000 Hz, 3 axes				

# PSSD: Portable Solid State Drive

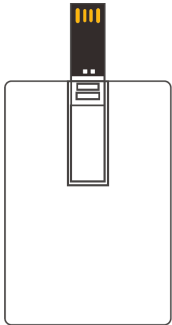
The epoch-making storage products of the 5G era



size: 58x19x10mm

16g

USB Flash Drive



size: 84x56x4mm

10g

Credit Card USB



size: 51x32x10mm

24.5g

PSSD



size: 81x32x10mm

28g

PSSD



size: 100x29x9mm

30g

PSSD



size: 74x57x10.50mm

51g

PSSD



size: 100x70x8mm

70g-85g

SATA SSD



size: 147x101x25.4mm

450g-650g

HDD





3M/S-5M/S

USB Flash Drive

USB2.0

Slow

1 Minute

Copy Movie

180MB/300MB



15M/S-20M/S

USB Flash Drive

USB3.0

Normal

1 Minute

Copy Movie

900MB/1.2GB



60M/S-80M/S

Portable HDD

USB3.0

Fast

1 Minute

Copy Movie

3.6GB/4.8GB



430M/S-500M/S

PSSD

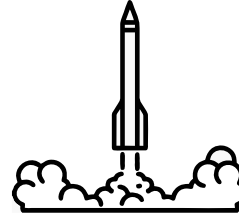
USB3.1 Gen 1

Fastest

1 Minute

Copy Movie

25.8GB/30GB



1GB/S-2GB/S

PSSD

PCIe/USB3.1 GEN 2

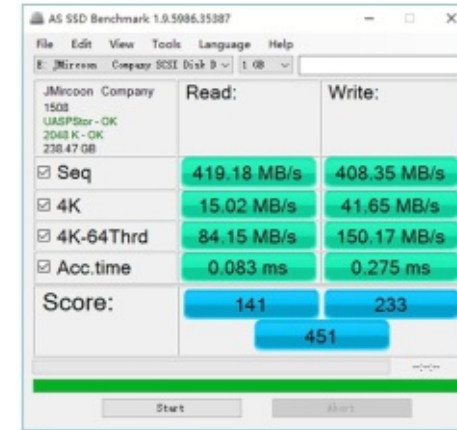
Super

1 Minute

Copy Movie

60GB/120GB

PSSD: make the data transmission wait Zero second



# AS SSD Test

6 times faster than HDD  
20 times faster than USB3.0

## Specifications

Model	Z1 slim			
Interface	Type-C / USB3.1 (Gen 1 5Gb/s)			
Dimensions	100 x 29 x 9mm			
Systems	XP/Windows 7/Windows 8/Windows 10 Mac 10.7 or upper			
Capacities	128GB	256GB	512GB	1TB
Write (M/s)	300-350	350-400	400-450	410-460
Read (MB/s)	400-450	410-450	410-460	430-480
4K R/W	3069/9640			
Working temperature	0°C-70°C			
Storage temperature	-20°C-75°C			




PSSD		Mobile HDD
Write ≥ 430MB/S	fast	Write ≥ 80MB/S
Read ≥ 480MB/S		Read ≥ 100MB/S
40g	light	150g
Shockproof	Stable	lost data after shock
Silent	Silent	Noise
For smart device	Compatible	Unsuitable for smart devices

# 14 professional testing procedures



Located in 2F,19Bldgs,Lianchuang Tech Zone in ShenZhen , one of best high-Tech Industrial park,beside the international Jewelry park. Which cover around 1600m .There are more than 120 capable people, including 11 engineers.