

Complete Flash Portfolio

Product		Dimensions (L x W x H mm)	Flash Type	Densities	Operating Temp.	Data Transfer Rate (max.)	TBW* (max.)	Power Failure Protection / PowerProtector	Secure Erase (S/W)**	Life Monitor (S/W)**	
SATA											
2.5" SSD			SLC	8 GB~256 GB	-40°C~ 85°C	Read: 520 MB/s Write: 420 MB/s	21,333 TB	✓	✓	✓	
			iTemp pseudo SLC	60 GB~480 GB		Read: 540 MB/s Write: 500 MB/s	18,000 TB	✓	✓	✓	
			iTemp MLC	64 GB		Read: 440 MB/s Write: 80 MB/s	145.5 TB	✓	✓	✓	
			MLC		0°C~ 70°C		174.6 TB	✓	✓	✓	
			iTemp 3D TLC	120 GB~1920 GB	-40°C~85°C	Read: 560 MB/s Write: 480 MB/s	5,585 TB	✓	✓	✓	
			3D TLC		0°C~ 70°C						
M.2			iTemp pseudo SLC	60 GB~240 GB	-40°C~ 85°C	Read: 560 MB/s Write: 500 MB/s	9,000 TB	✓	✓	✓	
			iTemp 3D TLC	120 GB~960 GB		Read: 560 MB/s Write: 440 MB/s	2,792 TB				
			3D TLC		0°C~ 70°C						
			SLC	8 GB~64 GB	-40°C~ 85°C	Read: 530 MB/s Write: 400 MB/s	5,333 TB	✓	✓	✓	
			iTemp pseudo SLC	60 GB~120 GB		Read: 560 MB/s Write: 500 MB/s	4,500 TB				
			iTemp MLC	16 GB~64 GB		Read: 440 MB/s Write: 80 MB/s	145.5 TB				
			MLC		0°C~ 70°C		174.6 TB				
				iTemp 3D TLC	120 GB~480 GB	-40°C~ 85°C	Read: 560 MB/s Write: 440 MB/s				1,396 TB
				3D TLC		0°C~ 70°C					
mSATA			SLC	8 GB~128 GB	-40°C~ 85°C	Read: 530 MB/s Write: 430 MB/s	10,667 TB	✓	✓	✓	
			iTemp pseudo SLC	60 GB~120 GB		Read: 560 MB/s Write: 500 MB/s	4,500 TB				
			iTemp MLC	16 GB~64 GB		Read: 440 MB/s Write: 80 MB/s	145.5 TB				
			MLC		0°C~ 70°C		174.6 TB				
			iTemp 3D TLC	120 GB~480 GB	-40°C~ 85°C	Read: 560 MB/s Write: 440 MB/s	1,396 TB				
			3D TLC		0°C~ 70°C						
SlimSATA			SLC	8 GB~128 GB	-40°C~ 85°C	Read: 530MB/s Write: 430 MB/s	10,667 TB	✓	✓	✓	
			iTemp pseudo SLC	64 GB~256 GB		Read: 550 MB/s Write: 440 MB/s	8,533 TB				
			iTemp MLC	16 GB~512 GB		Read: 550 MB/s Write: 450 MB/s	1,067 TB				
			MLC		0°C~ 70°C		1,280 TB				
CFast			SLC	8 GB~32 GB	-40°C~ 85°C	Read: 500 MB/s Write: 300 MB/s	2,667 TB	✓	✓	✓	
			iTemp MLC	16 GB~128 GB		Read: 510 MB/s Write: 175 MB/s	267 TB				
			MLC		0°C~ 70°C		320 TB				

* Under highest Sequential write value. May vary by density, configuration and applications.

** ATP software support for demo use only.

*** By project support

Product		Dimensions (L x W x H mm)	Flash Type	Densities	Operating Temp.	Data Transfer Rate (max.)	TBW* (max.)	Power Failure Protection / PowerProtector	Secure Erase (S/W)**	Life Monitor (S/W)**
NVMe										
M.2		80.0 x 22.0 x 3.5	iTemp 3D TLC	120 GB~1920 GB	-40°C~ 85°C	Read: 3,280 MB/s	5,120 TB	✓	✓***	✓
			3D TLC		0°C~ 70°C	Write: 3,050 MB/s	5,120 TB			
PATA/IDE										
CompactFlash		36.4 x 42.8 x 3.3	SLC	512 MB~32 GB	-40°C~ 85°C	Read: 61 MB/s Write: 55 MB/s	1,280 TB	✓	-	✓
			pseudo SLC	8 GB~16 GB	0°C~ 70°C	Read: 110 MB/s Write: 80 MB/s	128 TB	-	-	✓
			MLC	16 GB~32 GB		Read: 108 MB/s Write: 46 MB/s	38 TB	-	-	✓
USB Drive										
eUSB		36.9 x 26.6 x 9.5	SLC	1 GB~32 GB	-40°C~ 85°C	Read: 30 MB/s Write: 25 MB/s	1,280 TB	✓	-	✓
			MLC	8 GB~32 GB	0°C~ 70°C	Read: 25 MB/s Write: 19 MB/s	38.4 TB	✓	-	✓
			MLC	16 GB~64 GB	0°C~ 70°C	Read: 44 MB/s Write: 17 MB/s	76.8 TB	✓	-	✓
NANODURA		34 x 12.2 x 4.5	SLC	512 MB~8 GB	-40°C~ 85°C	Read: 21 MB/s Write: 16 MB/s	192 TB	-	-	✓
			MLC	8 GB~16 GB	0°C~ 70°C	Read: 25 MB/s Write: 18 MB/s	19.2 TB	-	-	✓
SD										
SD/SDHC/SDXC		32.0 x 24.0 x 2.1	SLC	512 MB~8 GB	-40°C~ 85°C	Read: 70 MB/s Write: 39 MB/s	192 TB	✓	✓	✓***
			iTemp pseudo SLC	4 GB~8 GB	-40°C~ 85°C	Read: 76 MB/s Write: 50 MB/s	128 TB			
			pseudo SLC	4 GB~8 GB	-25°C~ 85°C	Read: 76 MB/s Write: 50 MB/s	128 TB			
			iTemp 3D pseudo SLC	8 GB~64 GB	-40°C~ 85°C	Read: 98 MB/s Write: 60 MB/s	320 TB			
			3D pseudo SLC	8 GB~64 GB	-25°C~ 85°C	Read: 98 MB/s Write: 60 MB/s	320 TB			
			iTemp MLC / 3D TLC	8 GB~256 GB***	-40°C~ 85°C	Read: 98 MB/s Write: 64 MB/s	154 TB			
			MLC	8 GB~128 GB***	-25°C~ 85°C	Read: 96 MB/s Write: 61 MB/s	154 TB			
			iTemp 3D TLC	32 GB~256 GB	-40°C~ 85°C	Read: 98 MB/s Write: 64 MB/s	154 TB			
microSD/ microSDHC/ microSDXC		15.0 x 11.0 x 1.0	SLC	512 MB~8 GB	-40°C~ 85°C	Read: 80 MB/s Write: 39 MB/s	192 TB	✓	✓	✓***
			iTemp pseudo SLC	4 GB~16 GB	-40°C~ 85°C	Read: 76 MB/s Write: 54 MB/s	256 TB			
			pseudo SLC	4 GB~16 GB	-25°C~ 85°C	Read: 76 MB/s Write: 54 MB/s	256 TB			
			iTemp 3D pseudo SLC	8 GB~64 GB	-40°C~ 85°C	Read: 98 MB/s Write: 62 MB/s	640 TB			
			3D pseudo SLC	8 GB~64 GB	-25°C~ 85°C	Read: 98 MB/s Write: 62 MB/s	640 TB			
			iTemp MLC / 3D TLC	8 GB~256 GB	-40°C~ 85°C	Read: 98 MB/s Write: 61 MB/s	154 TB			
			MLC	8 GB~32 GB	-25°C~ 85°C	Read: 68 MB/s Write: 24 MB/s	39 TB			
			iTemp 3D TLC	32 GB~256 GB	-40°C~ 85°C	Read: 98 MB/s Write: 61 MB/s	154 TB			
Managed NAND		11.5 x 13.0 x 1.3 (max.)	3D pseudo SLC	8 GB~64 GB	-40°C~ 85°C / 105°C	Read: 300 MB/s Write: 240 MB/s	1,320 / 1,213 TB	✓	✓	✓***
			3D MLC	16 GB~128 GB		Read: 300 MB/s Write: 170 MB/s	824 / 309 TB			

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