

# 2.5-inch SATA SSD (3D NAND)

SATA 6.0Gbps  
SN2S-GP / RN2S-GP / HN2S-GP Series



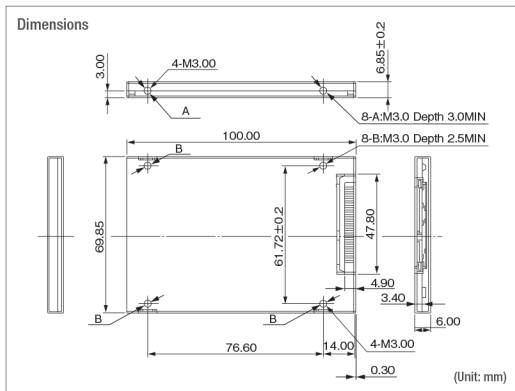
Flash Memory		TLC	MLC mode	SLC mode
Capacity		60 GB to 960 GB	40 GB to 640 GB	20 GB to 320 GB
Host Interface		SATA 6.0Gbps		
Operating Voltage		5V±10%		
Operating Temperature	Commercial Temperature	0°C to 70°C		
	Wide Temperature	-40°C to 85°C		
Storage Temperature		-45°C to 90°C		
Operating Humidity		~ 85% (No Condensation)		
Storage Humidity		~ 95% (No Condensation)		
Dimensions (mm)		69.85 × 99.9 × 7.0		
DRAM Cache		●		
Performance	Sequential Read (MB/s)	500	495	495
	Sequential Write (MB/s)	430	430	430
	Random Read (IOPS)	55,000	56,000	57,000
	Random Write (IOPS)	43,000	52,000	51,000
TBW*	20GB	-	-	580
	40GB	-	110	1,160
	60GB	45	-	-
	80GB	-	230	2,380
	120GB	90	-	-
	160GB	-	480	4,860
	240GB	180	-	-
	250GB	-	-	-
	320GB	-	1,000	11,800
	480GB	360	-	-
	500GB	-	-	-
	640GB	-	2,100	-
	960GB	720	-	-
	1000GB	-	-	-
2000GB	-	-	-	
Power Consumption (mA)	Read (max.)	360	350	335
	Write (max.)	570	585	425
	Idle	120	120	115
	DevSleep	10	10	10
Warranty		1 year		

\*TBW is based on JEDEC 219 Client workload.



	Static Wear Leveling	Refresh	Patrol	Read Retry	Power Loss Alert	Fixed BOM	TCG Opal 2.0	S.M.A.R.T.	Life Indicator LED	DevSleep	Wide Temperature	Power Loss Recovery	Live Drive Monitor	Live Drive Monitor	Thermal Sensor	RoHS	AIS
TLC	●	●	●	●	●	●	○	●	-	●	●	●	●	●	●	●	●
MLC mode	●	●	●	●	●	●	○	●	-	●	●	●	●	●	●	●	●
SLC mode	●	●	●	●	●	●	○	●	-	●	●	●	●	●	●	●	●

Static Wear Leveling
 Refresh
 Patrol Function
 Read Retry
 Power Loss Alert
 Fixed BOM
 TCG Opal 2.0
 S.M.A.R.T.
 Life Indicator LED
 DevSleep
 Wide Temperature
 Power Loss Recovery
 Live Drive Monitor
 Live Drive Monitor
 Thermal Sensor
 RoHS Compliant
 Article Information Sheet



## Part Number

Operating Temperature	TLC	MLC mode	SLC mode
0°C to 70°C	SN2S-xxxGP00SN	RN2S-xxxGP00SN	HN2S-xxxGP00SN
-40°C to 85°C	SN2S-xxxGP00JI	RN2S-xxxGP00JI	HN2S-xxxGP00JI