

2.5-inch SATA SSD MLC

32GB

SSD-32GS-2MP

128GB

SSD-128GS-2MP

256GB

SSD-256GS-2MP

This product is a solid state drive in accordance with 2.5-inch SATA standard.

Write Protect compatible.

- * The contents in this document are subject to change without notice.
- * Visit the CONTEC website to check the latest details in the document.
- * The information in the data sheets is as of December, 2025.

Specifications

Item		Specifications			
		SSD-32GS-2MP	SSD-128GS-2MP	SSD-256GS-2MP	
Host interface		SATA III (6.0Gbps)			
Installed Memory		MLC NAND Flash memory			
		Total capacity	30,533MB	122,104MB	244,198MB
LBA		125,045,424			
Transfer velocity		Read *1	450MB/sec	530MB/sec	530MB/sec
		Write *1	50MB/sec	190MB/sec	210MB/sec
Input voltage		+5VDC (±5%)			
Current consumption		Idle	91mA (Max)		
		Read	93mA (Max)		
		Write	160mA (Max)		
Environment Requirements		Operating temperature	0 - +70°C		
		Storage temperature	-55 - +95°C		
		Humidity	10 - 95%RH (With no condensation)		
		Corrosive gases	None		
		Swept sine vibration	20G or less (7 ~ 2,000Hz)		
		Shock	1500G or less (0.5ms)		
NAND Flash memory life span		3,000cycles			
Physical dimensions (mm)		69.85(W)×100.0(D)×6.8(H)			
Weight		40g (approx.)			

*1 It might differs depending on the software or host to be used.

Packing List

Product ...1

Warranty Certificate ...1

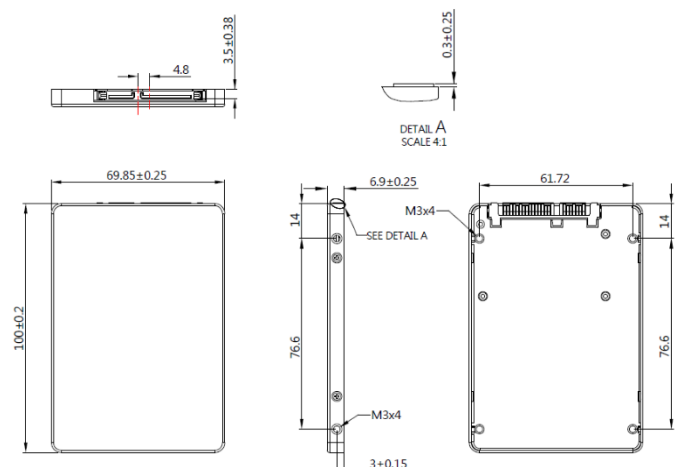
Product Guide ...1

Serial Number Label ...1

Connector Pin Assignment

Pin	Signal	Pin	Signal	Pin	Signal	Pin	Signal
S1	GND	S2	A+	S3	A-	S4	GND
S5	B-	S6	B+	S7	GND		
P1	N.C.	P2	N.C.	P3	N.C.	P4	GND
P5	GND	P6	GND	P7	5V	P8	5V
P9	5V	P10	GND	P11	DAS/DSS	P12	GND
P13	N.C.	P14	N.C.	P15	N.C.		

Physical Dimensions



About write endurance

SSD has write endurance which limits the number of times each memory may be writ-ten, due to the characteristic of the memory that is used. Write endurance can be calculated by the following formula as a reference value:

Write endurance (years) = Total rewrite life (cycles) / (The number of annual consumed blocks / The total number of blocks)

Example :

Capacity: 32GB, Rewrite life: 3,000cycles

When the file of 4MB is made, and it rewrites it once per 10 seconds.

The number of annual consumed blocks = (4 x (60 / 10) x 60 x 24 x 365) / 8 = 1,576,800(cycles)

Life = 3,000 / (1,576,800 / 4,096) ≈ 7.79 (years)

These are reference values. Confirm its longevity by the following S.M.A.R.T. after in-stalling the specific software (*) and implement tentative writing.

* Life expectancy can be obtained by installing the self- diagnosis program that ac-quires S.M.A.R.T. information of SSD.