EverGreen 2.5” SATA SSD



Features

- High Performance
- S.M.A.R.T. & i-S.M.A.R.T. Supported
- MLC Flash with L2 Architecture
- Cost-Efficiency
- Long Life : Warranty 3 years

R:220MB/s W:150MB/s | SATA II 3Gb/s | ECC & Wear leveling | Thermal sensor | S.M.A.R.T | L² Tech.

Specifications

Connector Type	Standard 7+15 Pin SATA Connector
Flash Type	MLC (Multi Level Cell)
Density	8GB, 16GB, 32GB, 64B, 128GB, 256GB, 512GB
Interface	SATA II, SATA I, PIO 0~4, MDMA 0~2, UDMA 0~6
Sustained R/W Performance	Read：220MB/sec (max.) Write：150 MB/sec (max.)
User capacity	Reserve 10% for L2 algorithm

Environmental

DC Input	+5V DC ± 5%
Power consumption (Max.)	Read: 450mA Write: 500 mA Idle: 214mA
Operating Temperature	0^0C~+70^0C (Standard Grade) -20^0C~+85^0C (Extended Grade)
Storage Temperature	-55^0C~+95^0C
Humidity	Relative Humidity: 10-95%, non-condensing
Endurance	3,000 program/erase cycles
MTBF	> 3,000,000 hours
Certification	CE, FCC, RoHS
Warranty	3 years

Mechanicals

Dimension (W x L x H)	69.8mm x 100.1mm x 9.3mm
Weight	90g±2g
Vibration	7 Hz to 2K Hz, , 3 axes
Shock	Duration: 1500G/0.5ms, , 3 axes

Health monitoring Tool

S.M.A.R.T.	Supported
i-S.M.A.R.T.	Supported (Utility for Windows, Linux)

Special Features

Security	Write Protection(option)
Thermal Sensor(TS)	Supported (optional)

Ordering Information

Capacity	Standard Grade	Industrial Grade
8GB	D2SN-08GJ20ACXDN	D2SN-08GJ20AEXDN
16GB	D2SN-16GJ20ACXQN	D2SN-16GJ20AEXQN
32GB	D2SN-32GJ20ACXEN	D2SN-32GJ20AEXEN
64GB	D2SN-64GJ20ACXEN	D2SN-64GJ20AEXEN
128GB	D2SN-A28J20ACXEN	D2SN-A28J20AEXEN
256GB	D2SN-B56J20ACXEN	D2SN-B56J20AEXEN
512GB	D2SN-C12J20ACXEN	D2SN-C12J20AEXEN
Note	X = PCB (2 = without TS; 3 = with TS)	

DESIGN ◎ SERVICE ◎ QUALITY ◎ DELIVERY

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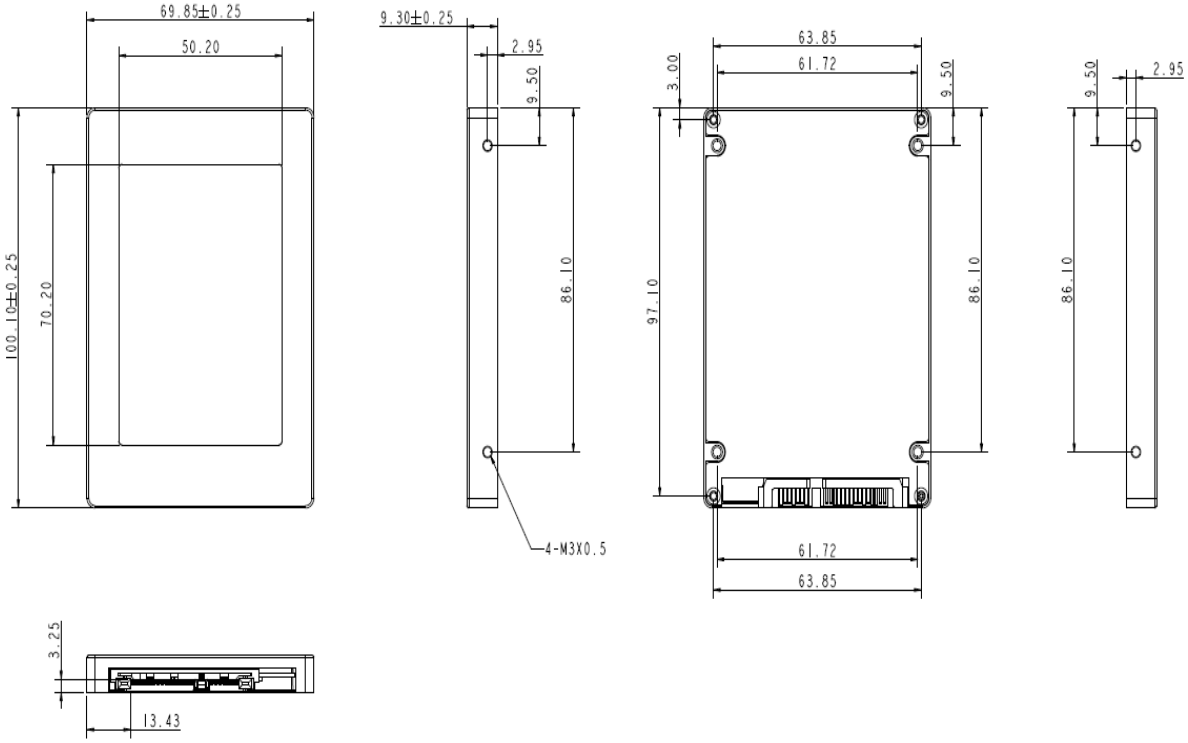
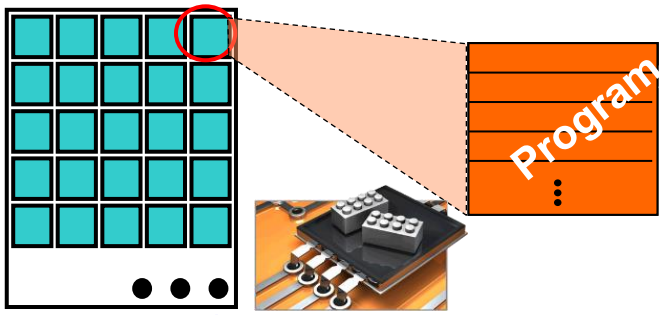
Mechanical Dimension



Evergreen L² Architecture



SSD Program Unit

