SuperNova
SATA 2.5” SSD

SATA Solid State Drive

If you’re a large corporation or a small company the Supernova provides the advantages to reduce TCO. For increased; write endurances, lightning fast access times, all backed by a three year warranty—the SuperNova is the superior choice

Advantages : speed, shock resistance, write endurances, access times over read/write speeds. Super fast speed with highly prescreened ONFI Synchronous NAND chips for Enterprise level of Reliability.

S.M.A.R.T. – Self Monitoring Analysis and Reporting Technology for hard drives to detect and report on reliability, in hopes of anticipating failure. Basically, a signaling method between internal disk drive electromechanical sensors and the host computer.

Physical Specifications

Form Factor	2.5"
Capacity*	128GB, 256GB
Dimension	69.85 x 100.20 x 7.00 mm
SATA Interface	SATA 3.0
NAND Flash	MLC
Power Supply	5V ± 10%
Package	Metal housing

Performance Specifications

Capacity	Seq. Read (MB/sec max)	Seq. Write (MB/sec max)
128GB	555	525
256GB	555	525

IOPS (4KB block random read and random write)

128GB	90K	85K
256GB	90K	85K

Environmental Specifications

Operating Shock	1500G
Operating Vibration	20G
Operating Temperature	0C to +70C
Operating Humidity	5 to 98%

Ordering Information

128GB	FTM28S325H
256GB	FTM56S325H

Reliability Specifications

MTBF	1,200,000 hours
Data Reliability	Built-in EDC/ECC function
Data Retention	10 years
Wear Leveling Algorithm	Superior wear-leveling

SATA Flash Drive Pin Assignment

Power Segment

PIN	Signal Name	Description
P1	Not Used (3.3V)	N/A
P2	Not Used (3.3V)	N/A
P3	Not Used (3.3V Precharge)	
P4	GND	1st mate
P5	GND	2nd mate
P6	GND	
P7	5V Precharge	5V Power
P8	5V Precharge	5V Power
P9	5V Precharge	
P10	GND	
P11	Reserved	
P12	GND	1st mate
P13	Not Used (12V Precharge)	N/A
P14	Not Used (12V)	
P15	Not Used (12V)	

Signal Segment

PIN	Signal Name	Description
S1	GND	
S2	RxP	Differential Signal pair for Receive
S3	RxN	
S4	GND	
S5	TxN	Differential Signal pair for Transmit
S6	TxP	
S7	GND	

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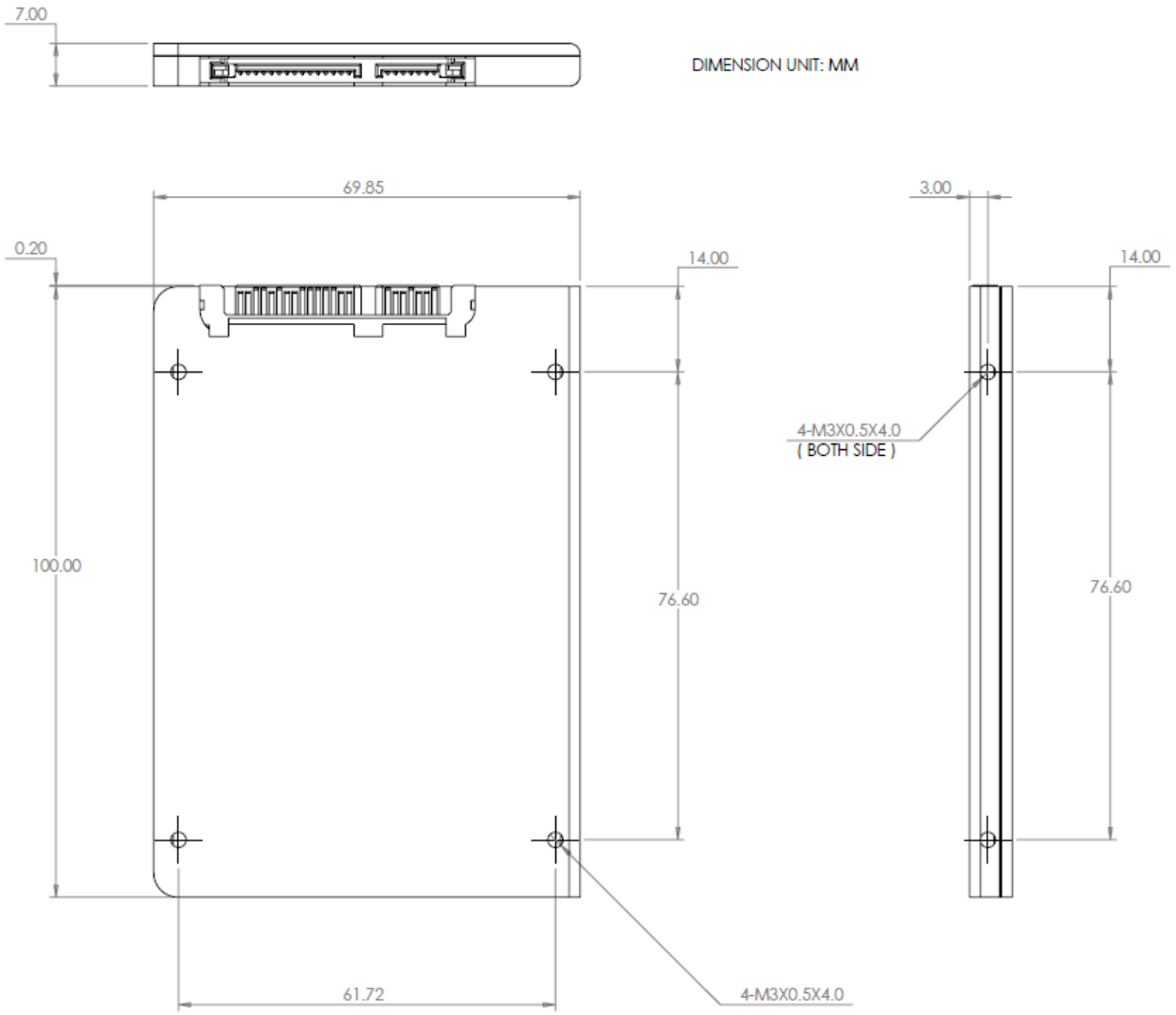
Mechanical Specifications



*Usable capacity may be less than specified after formatting.