

SATA Slim

The Innodisk SATA Slim is compliant with the JEDEC SFF-8156 standard form factor and ATA protocol. It does not require drivers, and can be configured as a boot device or a data storage device. It is also suitable for portable/hand-held devices, thin clients, and industrial applications that require the effective reduction of operation system boot time and power consumption. With a 7+15 pin SATA interface, the Innodisk SATA Slim supports most platforms with a standard SATA port.



Model Name	SATA Slim 3TE7	SATA Slim 3TG6-P	SATA Slim 3SE4
Key Features	<ol style="list-style-type: none"> 1. Industrial-grade firmware with 3D NAND 2. Advanced LDPC ECC engine 3. Internal RAID Technology 4. DRAM-less, high-level data integrity 5. Excellent data transfer speed 	<ol style="list-style-type: none"> 1. Extreme seq. and random performance with 3D NAND solution 2. Advanced LDPC ECC engine 3. RAID engine offers additional level of data protection 4. AES 256-bit key, end-to-end data path protection 	<ol style="list-style-type: none"> 1. High quality SLC-based solution 2. DRAM-less, high-level data integrity 3. LDPC technology secures SSD reliability 4. Excellent data transfer speed
Interface	SATA III 6.0Gb/s	SATA III 6.0Gb/s	SATA III 6.0Gb/s
Flash Type	3D TLC	3D TLC	SLC
Capacity	32GB~1TB	32GB~1TB	8GB~64GB *For 128GB, please check SATA Slim 3SE3
Max. Channel	4	4	2
Sequential RW (MB/sec, max)	560/525	540/470	530/360
Max. Power Consumption	0.8W (5V x 160mA)	2.6W (5V x 520mA)	1.1 W (5V x 220 mA)
Thermal Sensor	Y	Y	Y
External DRAM Buffer	N	Y	N
iData Guard	Y	Y	Y
iCell	N	N	N
TRIM	Y	Y	Y
ATA Security	Y	Y	Y
S.M.A.R.T	Y	Y	Y
Dimension (WxLxH/mm)	54.0 x 39.0 x 4.0	54.0 x 39.0 x 4.0	54.0 x 39.0 x 4.0
Environment	Vibration: 20G@7~2000Hz/Shock: 1500G@0.5ms/Storage Temperature: -55°C ~ +95°C/MTBF: >3 million		
Standard Temp.OP (0°C~+70°C)	DESLM-XXXDK1EC***	DGSLM-XXXM71EC***	DESLM-XXXM41SC***
Wide Temp.OP (-40°C~+85°C)	DESLM-XXXDK1EW***	DGSLM-XXXM71EW***	DESLM-XXXM41SW***
Notes	XXX = density (02GB=02G, 04GB=04G, 08GB=08G, 16GB=16G, 32GB=32G, 64GB=64G, 128GB=A28, 256GB=B56, 512GB=C12) ***= flash configuration (internal control code) %=Flash Type		



Model Name	SATA Slim 3IE4	SATA Slim 3ME4	SATA Slim 3MG2-P
Key Features	1. Exclusive L ³ architecture 2. Designed with LDPC ECC engine 3. Cost-effective industrial Flash with iSLC	1. Exclusive L ³ architecture 2. Designed with LDPC ECC engine 3. Compatible with JEDEC MO-297	1. EverGreen L ² architecture 2. High Sequential/IOPS performance 3. Support DEVSLP 4. iData Guard Protection
Interface	SATA III 6.0Gb/s	SATA III 6.0Gb/s	SATA III 6.0Gb/s
Flash Type	iSLC	MLC	MLC
Capacity	8GB~128GB	8GB~128GB	8GB~256GB
Max. Channel	2	2	4
Sequential RW(MB/sec,max)	530/360	530/210	520/290
Max. Power Consumption	0.8W (5V x 160mA)	0.8W (5V x 160mA)	2.6W (5V x 520mA)
Thermal Sensor	Y	Y	STD : N , W/T : Y
External DRAM Buffer	N	N	Y
iData Guard	Y	Y	Y
iCell	N	N	N
TRIM	Y	Y	Y
ATA Security	Y	Y	Y
S.M.A.R.T	Y	Y	Y
Dimension (WxLxH/mm)	54.0 x 39.0 x 4.0	54.0 x 39.0 x 4.0	54.0 x 39.0 x 4.0
Environment	Vibration: 20G@7~2000Hz/Shock: 1500G@0.5ms/Storage Temperature: -55°C ~ +95°C/MTBF: >3 million		
Standard Temp.OP (0°C~+70°C)	DHSLM-XXXM41%C***	DESLM-XXXM41%C***	DGSLM-XXXD81%C***
Wide Temp.OP (-40°C~+85°C)	DHSLM-XXXM41%W***	DESLM-XXXM41%W***	DGSLM-XXXD81%W***
Notes	XXX = density (02GB=02G, 04GB=04G, 08GB=08G, 16GB=16G, 32GB=32G, 64GB=64G, 128GB=A28, 256GB=B56, 512GB=C12) ***= flash configuration (internal control code) %=Flash Type		