

SATADOM[®]

Innodisk's Serial ATA Disk on Module (SATADOM[®]) is the world's smallest form factor with exclusive built-in Pin 7 and Pin 8 VCC, which simplifies motherboard design. Since it has no external cables, it is more robust and enhances the disk functions of various industrial and enterprise applications. Innodisk's SATADOM[®] also supports the SATA II and SATA III interfaces with faster data transfer rates and is available in capacities ranging from 512MB up to 256GB.

SATADOM-SL 3ME4

Innodisk's SATADOM-SL 3ME4 features our patented Pin 7 and Pin 8 cable-less SATA power combined with our exclusive L³ architecture. Thanks to these innovative features, the SATADOM-SL 3ME4 offers exceptional performance and reliability with a prolonged lifespan—making it the industry's best storage design for industrial computers and server boot drives. In 2017, the Innodisk SATADOM-SL 3ME4 won the Taiwan Excellence Award in the highly competitive category of "Computer Hardware and Peripheral Equipment," further highlighting the strength of its groundbreaking industrial design.

3ME4 series

- High performance
- LDPC
- Low WAI
- Supports S.M.A.R.T.

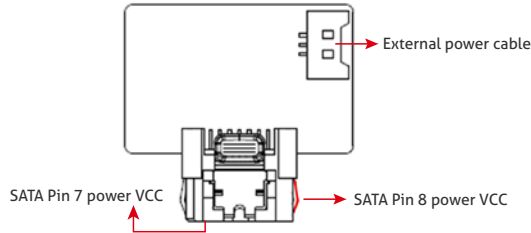


SATADOM-SL

- Tiny size
- Cable-less (Pin 8/ Pin 7 supported)
- OS boot drive
- Durable

Flexible power supply design

- External power cable
- SATA Pin 8 VCC
- SATA Pin 7 VCC



Form Factor	SATADOM-SV/SH				
Model Name	SATADOM 3IE7	SATADOM 3TE7	SATADOM 3SE4	SATADOM 3IE4	SATADOM 3ME4
Key Features	1. Industrial-grade firm ware with 3D NAND 2. Advanced LDPC ECC engine 3. Internal RAID technology 4. Lifespan 10 times longer than MLC	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	1. High-quality SLC-based solution 2. DRAM-less, high-level data integrity 3. LDPC technology secures SSD reliability 4. Excellent data transfer speed	1. Cost-effective industrial flash with iSLC 2. Exclusive L ³ architecture 3. Latest LDPC ECC engine 4. Pin 8/ Pin 7 supported	1. Vertical and low-profile horizontal design 2. Exclusive L ³ architecture 3. Latest LDPC ECC engine 4. High IOPS 5. Pin 8/ Pin 7 supported
Interface	SATA III 6.0Gb/s	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s
Flash Type	iSLC (3D TLC)	3D TLC	SLC	iSLC (MLC)	MLC
Capacity	20GB~80GB	32GB~256GB	8GB~32GB	8GB~64GB	8GB~128GB
Max. Channel	2	2	2	2	2
Sequential R/W (MB/sec. max)	550/485	510/300	520/260	530/350	530/120
Max. Power Consumption	1.3W(5V x 260mA)	1.55W (5V x 309mA)	1.58W (5V x 315mA)	0.95W (5V x 189mA)	1.27W (5V x 254mA)
Thermal Sensor	Y	Y	Y	Y	Y
External DRAM Buffer	N	N	N	N	N
iData Guard	Y	Y	Y	Y	Y
iCell	N	N	N	N	N
TRIM	Y	Y	Y	Y	Y
ATA Security	Y	Y	Y	Y	Y
S.M.A.R.T.	Y	Y	Y	Y	Y
Dimension (WxLxH/mm)	SV: 40.4 x 21.03 x 10.4 SH: 32.7 x 18 x 14.15	SV: 40.4 x 21.03 x 10.4 SH: 32.7 x 18 x 14.15	SV: 40.4 x 21.03 x 10.4 SH: 32.7 x 18 x 14.15	SV:40.4 x 21.03 x 10.4	SV: 40.4 x 21.03 x 10.4 SH: 32.7 x 18 x 15.15
Environment	Vibration: 20G@7~2000Hz Shock: 1500G@0.5ms Storage Temperature: -40~85°C MTBF: >3 million hours				
Standard Temp. OP (0~70°C)	SV:DHSSV-XXXDK1E***# SH: DHSSH-XXXDK1E***#	SV: DESSV-XXXDK1E***# SH: DESSH-XXXDK1E***#	SV: DESSV-XXXM41S***# SH: DESSH-XXXM41S***#	SV: DHSSV-XXXM41B***#	SV: DESSV-XXXM41B***# SH: DESSH-XXXM41B***#
Wide Temp. OP (-40~85°C)	SV:DHSSV-XXXDK1EW***# SH: DHSSH-XXXDK1EW***#	SV: DESSV-XXXDK1EW***# SH: DESSH-XXXDK1EW***#	SV: DESSV-XXXM41S***# SH: DESSH-XXXM41S***#	SV: DHSSV-XXXM41B***#	SV: DESSV-XXXM41B***# SH: DESSH-XXXM41B***#
Notes	xxx = density (08GB=08G, 16GB=16G, 32GB=32G, 64GB=64G, 128GB=A28, 256GB=B56, 512GB=C12, 20GB=20G, 40GB=40G, 80GB=80G) *** = flash configuration (internal control code) # = power supply method (A=pin 8+ external power cable / B=Pin 7+ Pin 8)				



Form Factor	SATADOM-SL/SH type D				
Model Name	SATADOM 3IE7	SATADOM 3TE7	SATADOM 3SE4	SATADOM 3IE4	SATADOM 3ME4
Key Features	1. Industrial-grade firmware with 3D NAND 2. Advanced LDPC ECC engine 3. Internal RAID technology 4. Lifespan 10 times longer than MLC	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 transferspeed	1. High-quality SLC-based solution 2. DRAM-less, high-level data integrity 3. LDPC technology secures SSD reliability 4. Excellent data transfer speed	1. The best boot solution under 1U 2. Cost-effective industrial flash with iSLC 3. Exclusive L ³ architecture 4. Latest LDPC ECC engine 5. Pin 8/ Pin 7 supported	1. The best boot solution under 1U 2. Exclusive L ³ architecture 3. Latest LDPC ECC engine 4. High IOPS 5. Pin 8/ Pin 7 supported
Interface	SATA III 6.0Gb/s	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s
Flash Type	iSLC (3D TLC)	3D TLC	SLC	iSLC (MLC)	MLC
Capacity	20GB~80GB	32GB~256GB	8GB~32GB	8GB~64GB	8GB~128GB
Max. Channel	2	2	2	2	2
Sequential R/W (MB/sec. max.)	550/485	510/300	520/260	530/350	530/120
Max. Power Consumption	1.85W (5V x 370mA)	1.5W (5V x 300mA)	0.95W (5V x 186mA)	1.02W (5V x 204mA)	1.02W (5V x 204mA)
Thermal Sensor	Y	Y	Y	Y	Y
External DRAM Buffer	N	N	N	N	N
iData Guard	Y	Y	Y	Y	Y
iCell	N	N	N	N	N
TRIM	Y	Y	Y	Y	Y
ATA Security	Y	Y	Y	Y	Y
S.M.A.R.T.	Y	Y	Y	Y	Y
Dimension (WxLxH/mm)	SL: 29.6 x 33.06 x 10.5 SH(D): 30 x 20.79 x 15.20	SL: 29.6 x 33.06 x 10.5 SH(D): 30 x 20.79 x 15.20	SL: 29.6 x 33.06 x 10.5 SH(D): 30 x 20.79 x 15.15	SL: 29.6 x 33.06 x 10.5	SL: 29.6 x 33.06 x 10.5 SH(D): 30 x 20.79 x 15.15
Environment	Vibration: 20G@7~2000Hz Shock: 1500G@0.5ms Storage Temperature: -40~85°C MTBF: >3 million hours				
Standard Temp. OP (0~70°C)	SL: DHSSL-XXXDK1EC***#	SL: DESSL-XXXDK1EC***# SH(D): DESSF-XXXDK1EC***#	SL: DESSL-XXXM41SC***# SH(D): DESSF-XXXM41SC***#	SL: DHSSL-XXXM41BC***#	SL: DESSL-XXXM41BC***# SH(D): DESSF-XXXM41BC***#
Wide Temp. OP (-40~85°C)	SL: DHSSL-XXXDK1EW***#	SL: DESSL-XXXDK1EW***# SH(D): DESSF-XXXDK1EW***#	SL: DESSL-XXXM41SW***# SH(D): DESSF-XXXM41SW***#	SL: DHSSL-XXXM41BW***#	SL: DESSL-XXXM41BW***# SH(D): DESSF-XXXM41BW***#
Notes	xxx = density (08GB=08G, 16GB=16G, 32GB=32G, 64GB=64G, 128GB=A28, 256GB=B56, 512GB=C12) ***= flash configuration (internal control code) #=power supply method(A=pin 8+ external power cable / B=Pin 7+ Pin 8)				



Form Factor	SATADOM-ML/MH				
Model Name	SATADOM 3SE4	SATADOM 3IE4	SATADOM 3ME4	SATADOM 3TG6-P	SATADOM 3MG2-P
Key Features	1. High-quality SLC-based solution 2. DRAM-less, high-level data integrity 3. LDPC technology secures SSD reliability 4. Excellent data transferspeed	1. Supports hardware write protection 2. Cost-effective industrial flash with iSLC 3. Exclusive L ³ architecture 4. Latest LDPC ECC engine 5. High IOPS 6. Pin 8/ Pin 7 supported	1. Supports hardware write protection 2. Exclusive L ³ architecture 3. Latest LDPC ECC engine 4. High IOPS 5. Pin 8/ Pin 7 supported	1. Extreme seq. and random performance with 3D NAND solution 2. Advanced LDPC ECC engine 3. RAID engine offers an additional level of data protection 4. AES 256-key end-to-end data path protection	1. Supports hardware write protection 2. High IOPS 3. High performance SATADOM
Interface	SATA III 6.0Gb/s	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6.0Gb/s	SATA III 6.0Gb/s
Flash Type	SLC	iSLC (MLC)	MLC	3D TLC	MLC
Capacity	8GB~64GB	16GB~128GB	32GB~256GB	128GB~256GB	32GB~256GB
Max. Channel	2	2	2	4	4
Sequential R/W (MB/sec. max.)	520/360	530/360	530/210	560/290	560/180
Max. Power Consumption	1.58W (5V x 315mA)	0.815W (5V x 163mA)	0.815W (5V x 163mA)	2.14W (5V x 428mA)	2.68W (5V x 535mA)
Thermal Sensor	Y	Y	Y	Y	Y
External DRAM Buffer	N	N	N	Y	Y
iData Guard	Y	Y	Y	Y	Y
iCell	N	N	N	N	N
TRIM	Y	Y	Y	Y	Y
ATA Security	Y	Y	Y	Y	Y
S.M.A.R.T.	Y	Y	Y	Y	Y
Dimension (WxLxH/mm)	ML: 36.7 x 31.2 x 10.7	ML: 31.2 x 36.7 x 10.7 MH: 23.5 x 33.6 x 14.8	ML: 31.2 x 36.7 x 10.7 MH: 23.5 x 33.6 x 14.8	ML: 37.17 x 31.5 x 12.6	ML: 37.17 x 31.5 x 12.6
Environment	Vibration: 20G@7~2000Hz Shock: 1500G@0.5ms Storage Temperature: -40~85°C MTBF: >3 million hours				
Standard Temp. OP (0~70°C)	ML: DESML-XXXM41SC***# MH: DESMH-XXXM41SC***#	ML: DHSML-XXXM41BC***# MH: DHSMH-XXXM41BC***#	ML: DESML-XXXM41BC***# MH: DESMH-XXXM41BC***#	ML: DGSML-XXXM71EC***#	ML: DGSML-XXXD81BC***#
Wide Temp. OP (-40~85°C)	ML: DESML-XXXM41SW***# MH: DESMH-XXXM41SW***#	ML: DHSML-XXXM41BW***# MH: DHSMH-XXXM41BW***#	ML: DESML-XXXM41BW***# MH: DESMH-XXXM41BW***#	ML: DGSML-XXXM71EW***#	ML: DGSML-XXXD81BW***#
Notes	xxx = density (08GB=08G, 16GB=16G, 32GB=32G, 64GB=64G, 128GB=A28, 256GB=B56, 512GB=C12) ***= flash configuration (internal control code) #=power supply method(A=pin 8+ external power cable / B=Pin 7+ Pin 8)				



Form Factor	SATADOM-SH type C		SATADOM-MV	
Model Name	SATADOM 3SE4	SATADOM 3ME4	SATADOM 3IE4	SATADOM 3ME4
Key Features	1. High-quality SLC-based solution 2. DRAM-less, high-level data integrity 3. LDPC technology secures SSD reliability 4. Excellent data transfer speed	1. Low-profile horizontal design. 2. Exclusive L ³ architecture 3. Latest LDPC ECC engine 4. High IOPS 5. Pin 8/Pin 7 supported	1. Supports hardware write protection 2. Cost-effective industrial flash with iSLC 3. Exclusive L ³ architecture 4. Latest LDPC ECC engine 5. High IOPS 6. Pin 8/Pin 7 supported	1. Supports hardware write protection 2. Exclusive L ³ architecture 3. Latest LDPC ECC engine 4. High IOPS 5. Pin 8/Pin 7 supported
Interface	SATA III 6.0Gb/s	SATA III 6Gb/s	SATA III 6Gb/s	SATA III 6Gb/s
Flash Type	SLC	MLC	iSLC (MLC)	MLC
Capacity	8GB~32GB	8GB~128GB	8GB~64GB	8GB~128GB
Max. Channel	2	2	2	2
Sequential R/W (MB/sec, max.)	520/260	530/120	530/340	530/120
Max. Power Consumption	1.49W(5V x 297mA)	1.02W(5V x 204mA)	1.72W(5V x 343mA)	1.08W(5V x 216mA)
Thermal Sensor	Y	Y	Y	Y
External DRAM Buffer	N	N	N	N
iData Guard	Y	Y	Y	Y
iCell	N	N	N	N
TRIM	Y	Y	Y	Y
ATA Security	Y	Y	Y	Y
S.M.A.R.T.	Y	Y	Y	Y
Dimension (WxLxH/mm)	32.7 x 18 x 14.5 mm	32.7 x 18 x 14.5 mm	41.55 x 25.26 x 10.4 mm	41.55 x 25.26 x 10.4 mm
Environment	Vibration: 20G@7~2000Hz Shock: 1500G@0.5ms Storage Temperature: -40~85°C MTBF: >3 million hours			
Standard Temp. OP (0~70°C)	DESSC-XXXM41SC***#	DESSC-XXXM41BC***#	DHSMV-XXXM41BC***#	DESMV-XXXM41BC***#
Wide Temp. OP (-40~85°C)	DESSC-XXXM41SW***#	DESSC-XXXM41BW***#	DHSMV-XXXM41BW***#	DESMV-XXXM41BW***#
Notes	xxx = density (08GB=08G, 16GB=16G, 32GB=32G, 64GB=64G, 128GB=A28, 256GB=B56, 512GB=C12) ***= flash configuration (internal control code) #=power supply method(A=pin 8+ external power cable / B=Pin 7+ Pin 8)			



Distributore Autorizzato per l'Italia:

Contradata Milano S.r.l.

Via Solferino 12, 20900 Monza (MB) - Italy

Tel: (+39) 039-230.14.92 | Email: info@contradata.it



www.contradata.it