

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SQF-SMS 640

SATA III (6.0Gb) mSATA

SQF-SM8 640

SATA III (6.0Gb) M.2 2280

NEW



RoHS COMPLIANT 2002/95/EC CE FCC



Features

- MO-300 mSATA Module
- Compliant with SATA III and SATA v3.2 standard
- Support LDPC of ECC correct
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

Connect Type	Mini PCIe 52pin connector with SATA pin-out
Flash type	Ultra MLC / MLC
Capacity	Ultra MLC: 8 to 512GB MLC: 16 to 512GB, 1TB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	Read: 520 mA, Write: 800 mA
Sustained R/W Performance (*)	Ultra MLC and MLC up to 560/495 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Dimensions (mm)	50.8 x 30 x 4.2

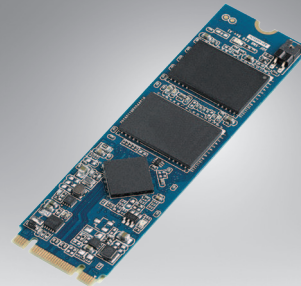
(*) These values are for reference only; they may change according to the flash memory used.

Ordering Information

PN	Description
SQF-SMSM2-XXG-SBC	SQFlash 640 series mSATA MLC 16/32/64 GB, 2-CH (0 ~ 70° C)
SQF-SMSM2-XXG-SBE	SQFlash 640 series mSATA MLC 16/32/64 GB, 2-CH (-40 ~ 85° C)
SQF-SMSM4-XX-SBC	SQFlash 640 series mSATA MLC 128/256/512 GB, 1TB, 4-CH (0 ~ 70° C)
SQF-SMSM4-XX-SBE	SQFlash 640 series mSATA MLC 128/256/512 GB, 1TB, 4-CH (-40 ~ 85° C)
SQF-SMSU2-XXG-SBC	SQFlash 640 series mSATA Ultra MLC 8/16/32 GB, 2-CH (0 ~ 70° C)
SQF-SMSU2-XXG-SBE	SQFlash 640 series mSATA Ultra MLC 8/16/32 GB, 2-CH (-40 ~ 85° C)
SQF-SMSU4-XX-SBC	SQFlash 640 series mSATA Ultra MLC 64/128/256/512 GB, 4-CH (0 ~ 70° C)
SQF-SMSU4-XX-SBE	SQFlash 640 series mSATA Ultra MLC 64/128/256/512 GB, 4-CH (-40 ~ 85° C)

Note: X stands for different capacities

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Features

- NGFF M.2 2280 SSD
- Interface: SATA III (6.0 Gbps)
- Support LDPC of ECC correct
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package
- Support hardware write protect

Specifications

Connect Type	NGFF B+M key
Flash type	Ultra MLC / MLC
Capacity	Ultra MLC: 8 to 512GB MLC: 16 to 512GB, 1TB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	Read: 520 mA, Write: 800 mA
Sustained R/W Performance (*)	Ultra MLC and MLC up to 560/495 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Dimensions (mm)	80.0 x 22.0 x 3.8

(*) These values are for reference only; they may change according to the flash memory used.

Ordering Information

PN	Description
SQF-SM8M2-XXG-SBC	SQFlash 640 series M.2 2280 16/32/64 GB MLC, 2-CH (0 ~ 70° C)
SQF-SM8M2-XXG-SBE	SQFlash 640 series M.2 2280 16/32/64 GB MLC, 2-CH (-40 ~ 85° C)
SQF-SM8M4-XX-SBC	SQFlash 640 series M.2 2280 128/256/512 GB, 1TB MLC, 4-CH (0 ~ 70° C)
SQF-SM8M4-XX-SBE	SQFlash 640 series M.2 2280 128/256/512 GB, 1TB MLC, 4-CH (-40 ~ 85° C)
SQF-SM8U2-XXG-SBC	SQFlash 640 series M.2 2280 8/16/32 GB Ultra MLC, 2-CH (0 ~ 70° C)
SQF-SM8U2-XXG-SBE	SQFlash 640 series M.2 2280 8/16/32 GB Ultra MLC, 2-CH (-40 ~ 85° C)
SQF-SM8U4-XX-SBC	SQFlash 640 series M.2 2280 64/128/256/512 GB Ultra MLC, 4-CH (0 ~ 70° C)
SQF-SM8U4-XX-SBE	SQFlash 640 series M.2 2280 64/128/256/512 GB Ultra MLC, 4-CH (-40 ~ 85° C)