SQF-SMS 640

SATA III (6.0Gb) mSATA

NEW



RoHS COMPLIANT 2002/95/EC CE FCC

Flash Security ID | Life Monitoring | Flash Lock | Emergency Erase

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

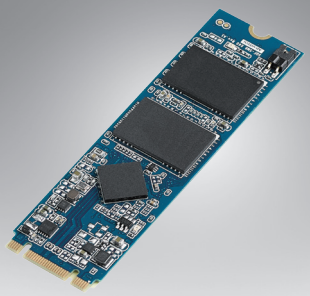
PN	Description
SQF-SMSM2-XXG-SBC	SQFlash 640 series mSATA MLC 16/32/64 GB, 2-CH (0 ~ 70° C)
SQF-SMSM2-XXG-SBE	SQFlash 640 series mSATA MLC 16/32/64 GB, 2-CH (-40 ~ 85° C)
SQF-SMSM4-XX-SBC	SQFlash 640 series mSATA MLC 128/256/512 GB, 1TB , 4-CH (0 ~ 70° C)
SQF-SMSM4-XX-SBE	SQFlash 640 series mSATA MLC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

SQF-SM8 640

SATA III (6.0Gb) M.2 2280

NEW



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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)