SQF-S25 640

SATA III (6.0Gb) 2.5" SSD

NEW



RoHS COMPLIANT 2002/95/EC CE FCC

Flash Security ID | Life Monitoring

Features

- Compliant with SATA Revision 3.2
- Support LDPC of ECC correct
- Support Fragment Writing and Flush Manager
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

Connect Type	Standard 7+15-pin SATA connector
Flash type	Ultra MLC / MLC
Capacity	Ultra MLC: 16 to 256GB MLC: 16 to 512GB
Transfer Mode	Up to 6Gb/s
Max. Power Consumption	Read: 342 mA, Write: 524 mA
Sustained R/W Performance (*)	Ultra MLC and MLC up to 561/498 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)	100 x 69.85 x 7

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

Ordering Information

PN	Description
SQF-S25M1-16G-SBC	SQFlash 640 series 2.5" SSD MLC 16GB, 1-CH (0 ~ 70°C)
SQF-S25M1-16G-SBE	SQFlash 640 series 2.5" SSD MLC 16GB, 1-CH (-40 ~ 85°C)
SQF-S25M2-xxG-SBC	SQFlash 640 series 2.5" SSD MLC 32/64GB, 2-CH (0 ~ 70°C)
SQF-S25M2-xxG-SBE	SQFlash 640 series 2.5" SSD MLC 32/64GB, 2-CH (-40 ~ 85°C)
SQF-S25M4-XXG-SBC	SQFlash 640 series 2.5" SSD MLC 128/256/512GB, 4-CH (0 ~ 70°C)
SQF-S25M4-XXG-SBE	SQFlash 640 series 2.5" SSD MLC 128/256/512GB, 4-CH (-40 ~ 85°C)
SQF-S25U2-16G-SBC	SQFlash 640 series 2.5" SSD Ultra MLC 16GB, 2-CH (0 ~ 70°C)
SQF-S25U2-16G-SBE	SQFlash 640 series 2.5" SSD Ultra MLC 16GB, 2-CH (-40 ~ 85°C)
SQF-S24U4-XXG-SBC	SQFlash 640 series 2.5" SSD Ultra MLC 32/64/128/256GB, 4-CH (0 ~ 70°C)
SQF-S25U4-XXG-SBE	SQFlash 640 series 2.5" SSD Ultra MLC 32/64/128/256GB, 4-CH (-40 ~ 85°C)

Note: X stands for different capacities

SQF-SLM 640

SATA III (6.0Gb) Half-Slim Module

NEW



RoHS COMPLIANT 2002/95/EC CE FCC

Flash Security ID | Life Monitoring

Features

- MO-297 Half-Slim SATA module
- Complaint 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
- Support hardware write protect

Specifications

Connect Type	Standard 7+15-pin SATA connector
Flash type	Ultra MLC / MLC
Capacity	Ultra MLC: 16 to 256GB MLC: 16 to 512GB
Transfer Mode	Up to 6Gb/s
Max. Power Consumption	Read: 342 mA, Write: 524 mA
Sustained R/W Performance (*)	Ultra MLC and MLC up to 561/498 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 x 39 x 4.5

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

Ordering Information

PN	Description
SQF-SLMM1-32G-SBC	SQFlash 640 series Half-Slim MLC 32GB, 1-CH (0 ~ 70°C)
SQF-SLMM1-32G-SBE	SQFlash 640 series Half-Slim MLC 32GB, 1-CH (-40 ~ 85°C)
SQF-SLMM2-64G-SBC	SQFlash 640 series Half-Slim MLC 64GB, 2-CH (0 ~ 70°C)
SQF-SLMM2-64G-SBE	SQFlash 640 series Half-Slim MLC 64GB, 2-CH (-40 ~ 85°C)
SQF-SLMM4-XXG-SBC	SQFlash 640 series Half-Slim MLC 128/256/512GB, 4-CH (0 ~ 70°C)
SQF-SLMM4-XXG-SBE	SQFlash 640 series Half-Slim MLC 128/256/512GB, 4-CH (-40 ~ 85°C)
SQF-SLMU1-16G-SBC	SQFlash 640 series Half-Slim Ultra MLC 16GB, 1-CH (0 ~ 70° C)
SQF-SLMU1-16G-SBE	SQFlash 640 series Half-Slim Ultra MLC 16GB, 1-CH (-40 ~ 85° C)
SQF-SLMU2-32G-SBC	SQFlash 640 series Half-Slim Ultra MLC 32GB, 2-CH (0 ~ 70° C)
SQF-SLMU2-32G-SBE	SQFlash 640 series Half-Slim Ultra MLC 32GB, 2-CH (-40 ~ 85° C)
SQF-SM8U4-XXG-SBC	SQFlash 640 series Half-Slim Ultra MLC 64/128/256GB, 4-CH (0 ~ 70° C)
SQF-SM8U4-XXG-SBE	SQFlash 640 series Half-Slim Ultra MLC 64/128/256GB, 4-CH (-40 ~ 85° C)

All product specifications are subject to change without notice.