

SQF-S25 630

SATA III (6.0Gb) 2.5" SSD

SQF-S25 830

SATA III (6.0Gb) 2.5" SSD



Features

- 2.5" SSD
- Interface: SATA III (6.0 Gbps)
- Supports 72 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management hardware write protect (optional)
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Features

- Compliant with SATA III and SATA v3.0 standard
- Supports 120 bit ECC correct per 2K Byte data
- Supports Fragment Writing and Flush Manager
- Optional support for AES and voltage stabilizer
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

Connector Type	2.5" SSD
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 64GB Ultra MLC: 2 to 128GB MLC: 4 to 256GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance*	SLC: up to 500/150 MB/sec MLC: up to 510/190 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)	100.0 x 69.9 x 7.0

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

Specifications

Connector Type	Standard 7+15-pin SATA connector
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 64 to 512GB Ultra MLC: 64 to 512GB MLC: 128GB to 2TB
Transfer Mode	SATA III (6.0 Gbps)
Max. Power Consumption	2A
Sustained R/W Performance*	SLC and MLC up to 540/520 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)	100.20 x 69.85 x 7

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

Ordering Information

PN	Description
SQF-S25S2-8G-S9C	SQFlash 630 series 2.5" SSD, SLC, 8GB (0 ~ 70 °C)
SQF-S25S4-XG-S9C	SQFlash 630 series 2.5" SSD, SLC, 16/32/64 GB (0 ~ 70 °C)
SQF-S25S2-8G-S9E	SQFlash 630 series 2.5" SSD, SLC, 8GB (-40 ~ 85 °C)
SQF-S25S4-XG-S9E	SQFlash 630 series 2.5" SSD, SLC, 16/32/64 GB (-40 ~ 85 °C)
SQF-S25U4-XG-S9C	SQFlash 630 series 2.5" SSD, UltraMLC, 8/16/32/64/128 GB (0 ~ 70 °C)
SQF-S25U4-XG-S9E	SQFlash 630 series 2.5" SSD, UltraMLC, 8/16/32/64/128 GB (-40 ~ 85 °C)
SQF-S25M2-8G-S9C	SQFlash 630 series 2.5" SSD, MLC, 8GB (0 ~ 70 °C)
SQF-S25M4-XG-S9C	SQFlash 630 series 2.5" SSD, MLC, 16/32/64/128/256 GB (0 ~ 70 °C)
SQF-S25M2-XG-S9E	SQFlash 630 series 2.5" SSD, MLC, 8GB (-40 ~ 85 °C)
SQF-S25M4-XG-S9E	SQFlash 630 series 2.5" SSD, MLC, 16/32/64/128/256 GB (-40 ~ 85 °C)

Note: X stands for different capacities

Ordering Information

Part No.	Product Description
SQF-S25S8-x-SAC	SQFlash 830 series 2.5" SSD SLC 64/128/256/512G (0 ~ 70 °C)
SQF-S25S8-x-SAE	SQFlash 830 series 2.5" SSD SLC 64/128/256/512G (-40 ~ 85 °C)
SQF-S25U8-x-SAC	SQFlash 830 series 2.5" SSD Ultra MLC 64/128/256/512G/1T (0 ~ 70 °C)
SQF-S25U8-x-SAE	SQFlash 830 series 2.5" SSD Ultra MLC 64/128/256/512G/1T (-40 ~ 85 °C)
SQF-S25M8-x-SAC	SQFlash 830 series 2.5" SSD MLC 128/256/512G/1T/2T (0 ~ 70 °C)
SQF-S25M8-x-SAE	SQFlash 830 series 2.5" SSD MLC 128/256/512G/1T/2T (-40 ~ 85 °C)

Note: X stands for different capacities

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Solid State Drives - SSD category](#):

Click to view products by [Advantech manufacturer](#):

Other Similar products are found below :

[MTFDDAC512MAM-1K1](#) [ASD25-MLC064G-CT-160-1](#) [SQF-SM4V2-256G-SBC](#) [MTFDDAA120MBB-2AE1ZABYY](#)
[MTFDDAA240MBB-2AE1ZABYY](#) [SQF-S25V4-240G-SCC](#) [SQF-SDMM2-256G-S9E](#) [MTFDKBA400TFS-1BC1ZABYY](#)
[MTFDKBZ3T8TFR-1BC1ZABYY](#) [MTFDKBA800TFS-1BC1ZABYY](#) [SQF-SMSZ2-64GCSBC](#) [B92.225HGV.00205](#) [APM128GMFFN-6BTM1GW](#) [MTFDDAK060MBD-1AH12ITYY](#) [MTFDDAK960MBP-1AN16ABYY](#) [VSF202PC016G-100](#) [AF512GSMEL-VABIP](#) [FFD-25-SATA-1-A](#) [2400022](#) [2913199](#) [2701112](#) [MTFDDAV512TBN-1AR1ZABYY](#) [SSDPEKKA256G801](#) [2400338](#) [2400335](#) [MTFDDAV256TBN-1AR12ABYY](#) [SSDPEKKA020T801](#) [MTFDDAK064MBD-1AH12ITYY](#) [MTFDDAK800MBP-1AN1ZABYY](#) [EP-SSMSF128AACS](#) [SQF-S25U8-128G-SAE](#) [A52.255LHB.00246](#) [AP-FD25C23E0064GS-5TM](#) [AP-FD25C23E0128GS-W5TM](#) [AP-FM008GD2505S-TW1M](#) [AP-FM008GD2505S-T1H](#) [APM256GMFFN-4BTM1GW](#) [APM2T42SM22032GFN-4FTM](#) [APM2T80SM21256GAS-4BTMG](#) [APS297F064G-4BTM1GF](#) [APM016GNEAN-4ETM1](#) [AF8GSSHI-VACXP](#) [AF32GSMEL-VAEIP](#) [AF256GSMEL-VABIP](#) [AF16GSSIA-VAAXP](#)
[AF32GSSHI-VACXP](#) [AF240GSTIC-7BEXP](#) [AF480GSTJA-8BEIX](#) [GLS86FP512G3-I-BZ000](#) [GLS87BP001T3-C-BZ200](#)