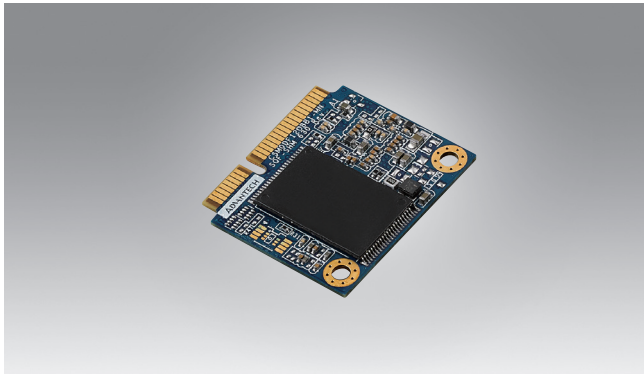


SQF-SHM 630

SATA III (6.0Gb) Half-Size mSATA



Features

- Half-Size Mini PCIe Form Factor
- Interface: SATA Gen. 3
- Supports 72 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

Connector Type	Mini PCIe 52pin connector with SATA pin-out
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 1 to 32GB Ultra MLC: 4 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 250/100 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)	26.8 x 30 x 4.2

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

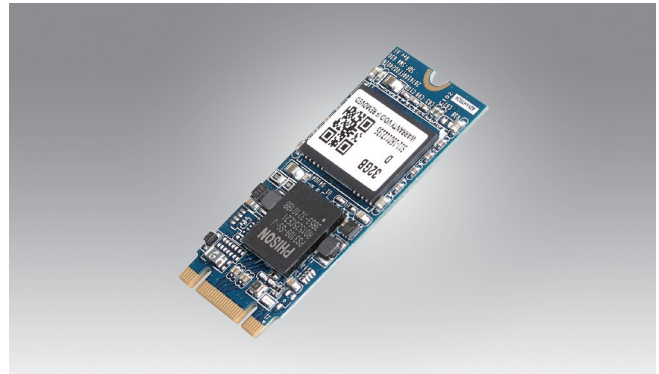
Ordering Information

PN	Description
SQF-SHMS1-1G-S9C	SQFlash 630 series HS mSATA SLC, DMA, 1 GB (0 ~ 70 °C)
SQF-SHMS1-1G-S9E	SQFlash 630 series HS mSATA SLC, DMA, 1 GB (-40 ~ 85 °C)
SQF-SHMS2-XG-S9C	SQFlash 630 series HS mSATA SLC, DMA, 2/4/8/16/32 GB (0 ~ 70 °C)
SQF-SHMS2-XG-S9E	SQFlash 630 series HS mSATA SLC, DMA, 2/4/8/16/32 GB (-40 ~ 85 °C)
SQF-SHMU2-XG-S9C	SQFlash 630 series HS mSATA Ultra MLC, DMA, 4/8/16/32/64/128 GB (0 ~ 70 °C)
SQF-SHMU2-XG-S9E	SQFlash 630 series HS mSATA Ultra MLC, DMA, 4/8/16/32/64/128 GB (-40 ~ 85 °C)
SQF-SHMM1-4G-S9C	SQFlash 630 series HS mSATA MLC, DMA, 4 GB (0 ~ 70 °C)
SQF-SHMM1-4G-S9E	SQFlash 630 series HS mSATA MLC, DMA, 4 GB (-40 ~ 85 °C)
SQF-SHMM2-XG-S9C	SQFlash 630 series HS mSATA MLC, DMA, 8/16/32/64/128/256 GB (0 ~ 70 °C)
SQF-SHMM2-XG-S9E	SQFlash 630 series HS mSATA MLC, DMA, 8/16/32/64/128/256 GB (-40 ~ 85 °C)

Note: X stands for different capacities

SQF-SM4 630

SATA III (6.0Gb) M.2 2242



Features

- NGFF M.2 2242 SSD
- Interface: SATA III (6.0 Gbps)
- Supports 72 bit ECC correct per 1K Byte data
- Universal wear-leveling and bad block management
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

Specifications

Connector Type	NGFF B+M key
Flash Type	SLC / Ultra MLC / MLC
Capacity	SLC: 8 to 64GB Ultra MLC: 16 to 128GB MLC: 32 to 256GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance*	SLC: up to 500/150 MB/sec MLC: up to 490/170 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)	42.0 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-SM4S2-8G-S9C	SQFlash 630 series M.2 2242, SLC, 8GB (0 ~ 70 °C)
SQF-SM4S4-XG-S9C	SQFlash 630 series M.2 2242, SLC, 16/32/64 GB (0 ~ 70 °C)
SQF-SM4S2-8G-S9E	SQFlash 630 series M.2 2242, SLC, 8GB (-40 ~ 85 °C)
SQF-SM4S4-XG-S9E	SQFlash 630 series M.2 2242, SLC, 16/32/64 GB (-40 ~ 85 °C)
SQF-SM4U2-16G-S9C	SQFlash 630 series M.2 2242, UltraMLC, 16GB (0 ~ 70 °C)
SQF-SM4U4-XG-S9C	SQFlash 630 series M.2 2242, UltraMLC, 32/64/128 GB (0 ~ 70 °C)
SQF-SM4U2-16G-S9E	SQFlash 630 series M.2 2242, UltraMLC, 16GB (-40 ~ 85 °C)
SQF-SM4U4-XG-S9E	SQFlash 630 series M.2 2242, UltraMLC, 32/64/128 GB (-40 ~ 85 °C)
SQF-SM4M2-32G-S9C	SQFlash 630 series M.2 2242, MLC, 32GB (0 ~ 70 °C)
SQF-SM4M4-XG-S9C	SQFlash 630 series M.2 2242, MLC, 64/128/256 GB (0 ~ 70 °C)
SQF-SM4M2-32G-S9E	SQFlash 630 series M.2 2242, MLC, 32GB (-40 ~ 85 °C)
SQF-SM4M4-XG-S9E	SQFlash 630 series M.2 2242, MLC, 64/128/256 GB (-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 :

[ATCA7360-MMOD-SATA2](#) [ASD25-MLC064G-CT-160-1](#) [SQF-SM4V2-256G-SBC](#) [SD7SN6S-128G-1122](#) [MTFDDAA120MBB-2AE1ZABYY](#) [SDSDQAD-128G](#) [SM668GXB-ACS O1118](#) [SDINADF4-64G-H](#) [SQF-S25V4-240G-SCC](#) [SQF-SDMM2-256G-S9E](#) [SFSA016GQ1BJ8TO-I-DT-226-STD](#) [MTFDDAK060MBD-1AH12ITYY](#) [VSF202PC016G-100](#) [AF512GSMEL-VABIP](#) [SSDPEKKA020T801](#) [MTFDDAK064MBD-1AH12ITYY](#) [EP-SSMSF128AACS](#) [APS297F064G-4BTM1GWF](#) [HBRPEKNX0202A01](#) [SSDPE21D015TAX1](#) [SSDPED1D015TAX1](#) [SSDPEKKF020T8X1](#) [SSDPEKKR256G7XN](#) [SSDPEKKW020T8X1](#) [SSDPEKKW512G801](#) [SSDPEKNW020T801](#) [SSDPEKNW020T9X1](#) [SSDPEL1D380GAX1](#) [SM2280S3G2/120G](#) [MTFDDAK1T9QDE-2AV1ZABYY](#) [MTFDDAK3T8QDE-2AV1ZABYY](#) [MTFDDAT128MBD-1AK12ITYY](#) [MTFDDAV256TDL-1AW12ABYY](#) [MTFDDAK1T0TDL-1AW12ABYY](#) [MTFDDAV512TDL-1AW1ZABYY](#) [MTFDDAV256TDL-1AW1ZABYY](#) [MTFDHAL11TATCW-1AR1ZABYY](#) [MTFDHAL12T8TDR-1AT1ZABYY](#) [MTFDHAL1T6TCU-1AR1ZABYY](#) [MTFDHAL1T9TCT-1AR1ZABYY](#) [MTFDHAL3T8TCT-1AR1ZABYY](#) [MTFDHAL3T8TDP-1AT1ZABYY](#) [MTFDHAL6T4TCU-1AR1ZABYY](#) [MTFDHAL7T6TCT-1AR1ZABYY](#) [MTFDHAL7T6TDP-1AT1ZABYY](#) [MTFDHAL8TATCW-1AR1ZABYY](#) [MTFDHBA2T0QFD-1AX1AABYY](#) [MTFDHBA512TCK-1AS15ABYY](#) [MTFDHBA512TCK-1AS1AABYY](#) [SDAPMUW-128G-1022](#)