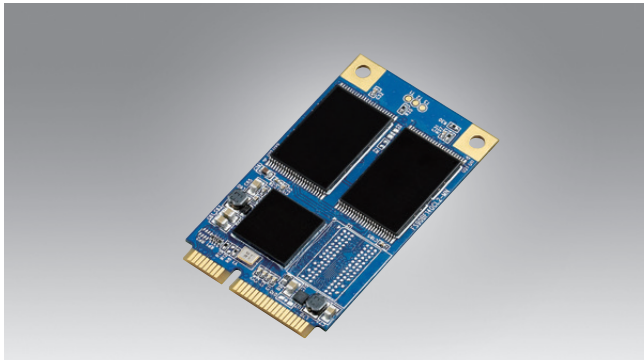


SQF-SMS 520

SATA II (3.0Gb) mSATA

SQF-SMS 820

SATA III (6.0Gb) mSATA



RoHS COMPLIANT
CE FCC



Features

- MO-300 mSATA Module
- Compliant with SATA II and SATA v 2.6 standard
- Supports 44 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

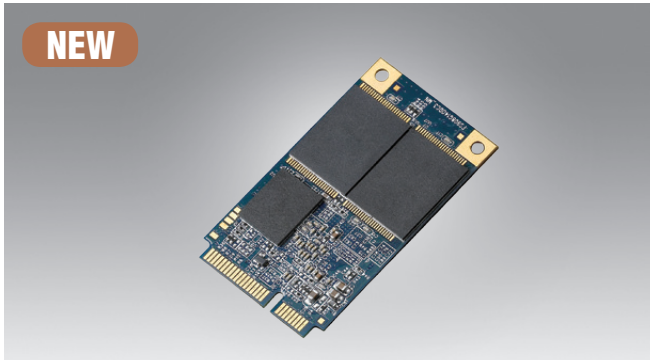
Connector Type	Mini PCIe 52pin connector with SATA pin-out
Flash type	SLC / MLC
Capacity	SLC: 2G to 32 GB MLC: 8G to 128 GB
Transfer Mode	SATA II (3.0 Gbps)
Sustained R/W Performance (*)	SLC: up to 140/100 MB/sec MLC: up to 120/80 MB/sec
Operating Temperature	Commercial grade: 0 to +70° C Industrial grade: -40 to +85° C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Endurance	2,000,000 program/erase cycles
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-SMSS2-2G-S7C	Advantech SQFlash mSATA 2 GB SLC, 2-CH (0 ~ 70° C)
SQF-SMSS2-2G-S7E	Advantech SQFlash mSATA 2 GB SLC, 2-CH (-40 ~ 85° C)
SQF-SMSS4-XG-S7C	Advantech SQFlash mSATA 4/8/16/32 GB SLC, 4-CH (0 ~ 70° C)
SQF-SMSS4-XG-S7E	Advantech SQFlash mSATA 4/8/16/32 GB SLC, 4-CH (-40 ~ 85° C)
SQF-SMSM2-8G-S7C	Advantech SQFlash mSATA 8 GB MLC, 2-CH (0 ~ 70° C)
SQF-SMSM2-8G-S7E	Advantech SQFlash mSATA 8 GB MLC, 2-CH (-40 ~ 85° C)
SQF-SMSM4-XG-S7C	Advantech SQFlash mSATA 16/32/64/128 GB MLC, 4-CH (0 ~ 70° C)
SQF-SMSM4-XG-S7E	Advantech SQFlash mSATA 16/32/64/128 GB MLC, 4-CH (-40 ~ 85° C)

Note: X stands for different capacities



RoHS COMPLIANT
CE FCC



Features

- MO-300 mSATA Module
- Compliant with SATA III and SATA v 3.0 standard
- Supports 72 bit ECC correct per 1K Byte data
- Supports Fragment Writing and Flush Manager
- 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 / MLC
Capacity	SLC: 16 to 64 GB MLC: 16 to 256 GB
Transfer Mode	SATA III (6.0 Gbps)
Sustained R/W Performance (*)	SLC and MLC up to 500/150 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
Endurance	2,000,000 program/erase cycles
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-SMSS2-8G-S8C	SQFlash 820 series mSATA SLC 8G (0 ~ 70° C)
SQF-SMSS2-8G-S8E	SQFlash 820 series mSATA SLC 8G (-40 ~ 85° C)
SQF-SMSS4-XG-S8C	SQFlash 820 series mSATA SLC 16/32/64G (0 ~ 70° C)
SQF-SMSS4-XG-S8E	SQFlash 820 series mSATA SLC 16/32/64G (-40 ~ 85° C)
SQF-SMSM4-XG-S8C	SQFlash 820 series mSATA MLC 16/32/64/128G (0 ~ 70° C)
SQF-SMSM4-XG-S8E	SQFlash 820 series mSATA MLC 16/32/64/128G (-40 ~ 85° C)
SQF-SMSM5-XG-S8C	SQFlash 820 series mSATA MLC 40/80/160G (0 ~ 70° C)
SQF-SMSM5-XG-S8E	SQFlash 820 series mSATA MLC 40/80/160G (-40 ~ 85° C)
SQF-SMSM8-256G-S8C	SQFlash 820 series mSATA MLC 256G (0 ~ 70° C)
SQF-SMSM8-256G-S8E	SQFlash 820 series mSATA MLC 256G (-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](#) [MTFDDAK2T0TDL-1AW1ZABYY](#) [MTFDDAK1T0TDL-1AW12ABYY](#) [MTFDDAV512TDL-1AW1ZABYY](#) [MTFDDAV256TDL-1AW1ZABYY](#) [MTFDHAL11TATCW-1AR1ZABYY](#) [MTFDHAL12T8TDR-1AT1ZABYY](#) [MTFDHAL1T6TCU-1AR1ZABYY](#) [MTFDHAL1T9TCT-1AR1ZABYY](#) [MTFDHAL3T8TCT-1AR1ZABYY](#) [MTFDHAL3T8TDP-1AT1ZABYY](#) [MTFDHAL6T4TCU-1AR1ZABYY](#) [MTFDHAL6T4TDR-1AT1ZABYY](#) [MTFDHAL7T6TCT-1AR1ZABYY](#) [MTFDHAL7T6TDP-1AT1ZABYY](#) [MTFDHAL8TATCW-1AR1ZABYY](#) [MTFDHBA2T0QFD-1AX1AABYY](#) [MTFDHBA512TCK-1AS15ABYY](#)