# SQF-S25 520

## SATA II (3.0Gb) 2.5" SSD

RoHS COMPLIANT 2002/95/EC CE FCC

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

### Features

- Compliant with SATA II and SATA v2.6 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 | Standard 7+15-pin SATA connector |
| Flash Type | SLC / MLC |
| Capacity | SLC: 4 to 64 GB<br>MLC: 16 to 256 GB |
| Transfer Mode | SATA II (3.0 Gbps) |
| Sustained R/W Performance (*) | SLC: up to 140/100 MB/sec<br>MLC: up to 120/80 MB/sec |
| Operating Temperature | Commercial Grade: 0 to +70° C<br>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 9.50 |

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

### Ordering Information

| Part No. | Product Description |
|---|---|
| SQF-S25S4-XG-S7C | Advantech SQFlash S25 SLC, 4-CH, 4/8/16/32/64 GB (0 ~ 70° C) |
| SQF-S25S4-XG-S7E | Advantech SQFlash S25 SLC, 4-CH, 4/8/16/32/64 GB (-40 ~ 85° C) |
| SQF-S25M4-XG-S7C | Advantech SQFlash S25 MLC, 4-CH, 32/64/128/256 GB (0 ~ 70° C) |
| SQF-S25M4-XG-S7E | Advantech SQFlash S25 MLC, 4-CH, 32/64/128/256 GB (-40 ~ 85° C) |

Note: X stands for different capacities

# SQF-S25 820

## SATA III (6.0Gb) 2.5" SSD

NEW

RoHS COMPLIANT 2002/95/EC CE FCC

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

### Features

- Compliant with SATA III and SATA v3.0 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 | Standard 7+15-pin SATA connector |
| Flash Type | SLC / MLC |
| Capacity | SLC: 16 to 256 GB<br>MLC: 16 GB to 1 TB |
| Transfer Mode | SATA III (6.0 Gbps) |
| Sustained R/W Performance (*) | SLC and MLC up to 500/350 MB/sec |
| Operating Temperature | Commercial Grade: 0 to +70° C<br>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

| Part No. | Product Description |
|---|---|
| SQF-S25S4-16G-S8C | SQFlash 820 series 2.5" SSD SLC 16G (0 ~ 70° C) |
| SQF-S25S4-16G-S8E | SQFlash 820 series 2.5" SSD SLC 16G (-40 ~ 85° C) |
| SQF-S25S8-XG-S8C | SQFlash 820 series 2.5" SSD SLC 32/64/128/256G (0 ~ 70° C) |
| SQF-S25S8-XG-S8E | SQFlash 820 series 2.5" SSD SLC 32/64/128/256G (-40 ~ 85° C) |
| SQF-S25M4-16G-S8C | SQFlash 820 series 2.5" SSD MLC 16G (0 ~ 70° C) |
| SQF-S25M4-16G-S8E | SQFlash 820 series 2.5" SSD MLC 16G (-40 ~ 85° C) |
| SQF-S25M5-XG-S8C | SQFlash 820 series 2.5" SSD MLC 40/80/160G (0 ~ 70° C) |
| SQF-S25M5-XG-S8E | SQFlash 820 series 2.5" SSD MLC 40/80/160G (-40 ~ 85° C) |
| SQF-S25M8-X-S8C | SQFlash 820 series 2.5" SSD MLC 32/64/128/256/512G/1T (0 ~ 70° C) |
| SQF-S25M8-X-S8E | SQFlash 820 series 2.5" SSD MLC 32/64/128/256/512G/1T (-40 ~ 85° C) |

Note: X stands for different capacities



All product specifications are subject to change without notice