

# SQF-S25 520

SATA II (3.0Gb) 2.5" SSD

# SQF-S25 820

SATA III (6.0Gb) 2.5" SSD



RoHS COMPLIANT 2002/95/EC CE FCC



RoHS COMPLIANT 2002/95/EC CE FCC



## 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

## 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: 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.

## 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-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

## 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