

# SQF-S10 640

SATA III (6.0Gb) CFast

# SQF-SM4 640

SATA III (6.0Gb) M.2 2242

NEW



RoHS COMPLIANT 2002/95/EC CE FCC



## Features

- Compliant with standard CFast card Type 1 specifications
- Compliant with SATA III and SATA v3.2 standard
- Support LDPC of ECC correct
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

## Specifications

|                               |  |
|-------------------------------|--|
| Connect Type                  | CFast Type 1 Connector   |
| Flash type                    | Ultra MLC / MLC  |
| Capacity                      | Ultra MLC: 16 to 64GB<br>MLC: 32 to 128GB                        |
| Transfer Mode                 | SATA III (6.0 Gbps)  |
| Max. Power Consumption        | Read: 330 mA, Write: 447 mA                                      |
| Sustained R/W Performance (*) | Ultra MLC and MLC up to 560/470 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)               | 42.8 x 36.4 x 3.3  |

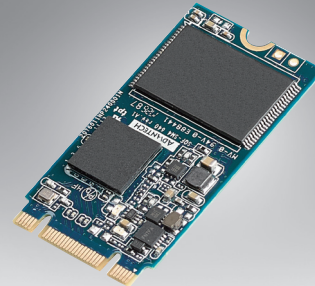
(\*) These values are for reference only; they may change according to the flash memory used.

## Ordering Information

| Part No.          | Product Description  |
|-------------------|--|
| SQF-S10M1-32G-SBC | SQFlash 640 series CFast MLC 32 GB, 1-CH (0 ~ 70 °C)             |
| SQF-S10M2-XXG-SBC | SQFlash 640 series CFast MLC 64/128 GB, 2-CH (0 ~ 70 °C)         |
| SQF-S10M1-32G-SBE | SQFlash 640 series CFast MLC 32 GB, 1-CH (-40 to +85 °C)         |
| SQF-S10M2-XXG-SBE | SQFlash 640 series CFast MLC 64/128 GB, 2-CH (-40 to +85 °C)     |
| SQF-S10U1-16G-SBC | SQFlash 640 series CFast UltraMLC 16 GB, 1-CH (0 ~ 70 °C)        |
| SQF-S10U2-XXG-SBC | SQFlash 640 series CFast UltraMLC 32/64 GB, 2-CH (0 ~ 70 °C)     |
| SQF-S10U1-16G-SBE | SQFlash 640 series CFast UltraMLC 16 GB, 1-CH (-40 to +85 °C)    |
| SQF-S10U2-XXG-SBE | SQFlash 640 series CFast UltraMLC 32/64 GB, 2-CH (-40 to +85 °C) |

Note: X stands for different capacities

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## Features

- NGFF M.2 2242 SSD
- Interface: SATA III (6.0 Gbps)
- Support LDPC of ECC correct
- Shock resistance, anti-vibration and low power consumption
- GUI management tool & software API package

## Specifications

|                               |  |
|-------------------------------|--|
| Connect Type                  | NGFF B+M key   |
| Flash type                    | Ultra MLC / MLC  |
| Capacity                      | Ultra MLC: 8 to 32GB<br>MLC: 16 to 64GB                          |
| Transfer Mode                 | SATA III (6.0 Gbps)  |
| Max. Power Consumption        | Read: 437 mA, Write: 753 mA                                      |
| Sustained R/W Performance (*) | Ultra MLC and MLC up to 560/470 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)               | 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

| Part No.          | Product Description   |
|-------------------|---|
| SQF-SM4M1-16G-SBC | SQFlash 640 series M.2 2242 16 GB MLC, 1-CH (0 ~ 70 °C)           |
| SQF-SM4M2-XXG-SBC | SQFlash 640 series M.2 2242 32/64 GB MLC, 2-CH (0 ~ 70 °C)        |
| SQF-SM4M1-16G-SBE | SQFlash 640 series M.2 2242 16 GB MLC, 1-CH (-40 ~ 85 °C)         |
| SQF-SM4M2-XXG-SBE | SQFlash 640 series M.2 2242 32/64 GB MLC, 2-CH (-40 ~ 85 °C)      |
| SQF-SM4U1-8G-SBC  | SQFlash 640 series M.2 2242 8 GB UltraMLC, 1-CH (0 ~ 70 °C)       |
| SQF-SM4U2-XXG-SBC | SQFlash 640 series M.2 2242 16/32 GB UltraMLC, 2-CH (0 ~ 70 °C)   |
| SQF-SM4U1-8G-SBE  | SQFlash 640 series M.2 2242 8 GB UltraMLC, 1-CH (-40 ~ 85 °C)     |
| SQF-SM4U2-XXG-SBE | SQFlash 640 series M.2 2242 16/32 GB UltraMLC, 2-CH (-40 ~ 85 °C) |