

SQF-S25 840

SATA III (6.0Gb) 2.5" SSD

SQF-S25 845

SATA III (6.0Gb) Enterprise 2.5" SSD

NEW



Features

- Compliant with SATA Revision 3.2
- Support LDPC of ECC correct
- Support AES and OPAL-SED
- GUI management tool and software API package

Specifications

Connection Type	Standard 7+15-pin SATA connector
Flash Type	3D TLC (BiCS3)
Capacity	240GB, 480GB, 960GB, 1920GB, 3840GB, 7680GB
Transfer Mode	Up to 6Gb/s
Max. Power Consumption (*)	Read: 3.6W, Write: 4.9W
Sustained R/W Performance (*)	Up to 550 / 530 (MB/sec)
Operating Temperature	ST: 0 to +70 °C WT: -40 to +85 °C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Dimensions (mm)	100 x 69.85 x 7.0

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

Ordering Information

PN	Description
SQF-S25V4-240G-SCC	SQF 2.5 SATA SSD 840 240G 3D TLC (0 ~ 70 °C)
SQF-S25V8-480G-SCC	SQF 2.5 SATA SSD 840 480G 3D TLC (0 ~ 70 °C)
SQF-S25V8-960G-SCC	SQF 2.5 SATA SSD 840 960G 3D TLC (0 ~ 70 °C)
SQF-S25VF-1K9G-SCC	SQF 2.5 SATA SSD 840 1920G 3D TLC (0 ~ 70 °C)
SQF-S25VF-3K8G-SCC	SQF 2.5 SATA SSD 840 3840G 3D TLC (0 ~ 70 °C)
SQF-S25VF-7K6G-SCC	SQF 2.5 SATA SSD 840 7680G 3D TLC (0 ~ 70 °C)
SQF-S25V4-240G-SCE	SQF 2.5 SATA SSD 840 240G 3D TLC (-40 ~ 85 °C)
SQF-S25V8-480G-SCE	SQF 2.5 SATA SSD 840 480G 3D TLC (-40 ~ 85 °C)
SQF-S25V8-960G-SCE	SQF 2.5 SATA SSD 840 960G 3D TLC (-40 ~ 85 °C)
SQF-S25VF-1K9G-SCE	SQF 2.5 SATA SSD 840 1920G 3D TLC (-40 ~ 85 °C)
SQF-S25VF-3K8G-SCE	SQF 2.5 SATA SSD 840 3840G 3D TLC (-40 ~ 85 °C)
SQF-S25VF-7K6G-SCE	SQF 2.5 SATA SSD 840 7680G 3D TLC (-40 ~ 85 °C)

Note: X stands for different capacities

NEW



Features

- Compliant with SATA Revision 3.2
- Support LDPC of ECC correct
- Support AES & DWPD up to 1.8 times
- Enhanced data retention and power failure protection

Specifications

Connection Type	Standard 7+15-pin SATA connector
Flash Type	Toshiba 3D eTLC / Intel 3D B17
Capacity	Toshiba 3D eTLC: 480GB, 960GB, 1920GB Intel 3D B17: 480GB, 960GB, 1920GB, 3840GB
Transfer Mode	Up to 6Gb/s
DWPD	Toshiba 3D eTLC: 1.8 Intel B17: 1.3
Max. Power Consumption (*)	Read: 4.5W, Write: 3.0W
Sustained R/W Performance (*)	Up to 560 / 530 (MB/sec)
Operating Temperature	0 to +70 °C
Shock Resistance	1,500 G, peak / 0.5 ms
Vibration Resistance	20 G, peak / 80 ~ 2000 Hz
Dimensions (mm)	100 x 69.85 x 7.0

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

Ordering Information

PN	Description
SQF-S25E5-480G-SCC	SQF 2.5 SATA SSD 845 480G Toshiba 3D eTLC NAND (0 ~ 70 °C)
SQF-S25EA-960G-SCC	SQF 2.5 SATA SSD 845 960G Toshiba 3D eTLC NAND (0 ~ 70 °C)
SQF-S25EA-1K9G-SCC	SQF 2.5 SATA SSD 845 1920G Toshiba 3D eTLC NAND (0 ~ 70 °C)
SQF-S25E5A480G-SCC	SQF 2.5 SATA SSD 845 480G Intel 3D cTLC NAND (0 ~ 70 °C)
SQF-S25EAA960G-SCC	SQF 2.5 SATA SSD 845 960G Intel 3D cTLC NAND (0 ~ 70 °C)
SQF-S25EAA1K9G-SCC	SQF 2.5 SATA SSD 845 1920G Intel 3D cTLC NAND (0 ~ 70 °C)
SQF-S25EAA3K8G-SCC	SQF 2.5 SATA SSD 845 3840G Intel 3D cTLC NAND (0 ~ 70 °C)

Note: X stands for different capacities