

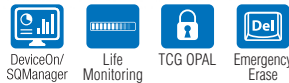
# SQF-S10 650

SATA III (6.0Gb) SATA CFast Card



## Features

- SATA 3.2 Compliant
- High Endurance sTLC Product Selection
- AES-256 Support & TCG-OPAL Compliant
- Support HW Write Protection
- Supports LDCP & RAID ECC
- DeviceOn SQManager & software API package
- Multiple Temperature Range Product Selection
- Software and Hardware Security Functions



## Specifications

Connect Type	CFast Type-I
Flash type	3D TLC / 3D sTLC
Capacity	3D TLC: 64GB ~ 512GB 3D sTLC : 32GB ~ 128GB
Transfer Mode	SATA III (Up to 6Gb/s)
Max. Power Consumption	3D TLC: Read: 1.25 W, Write: 1.55 W 3D sTLC : Read: 1.2 W, Write: 1.25 W
Sustained R/W Performance (*)	Up to 550/ 520 MB/sec
Operating Temperature	Commercial Temperature: 0 to +70 °C Minus Temperature: -20 to +85 °C Extended Temperature: -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

PN	Description
SQF-S10V1-64GDSDC	SQF CFast 650-D 64G 3D TLC (BiCS5) (0~70°C)
SQF-S10V2-128GDSDC	SQF CFast 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S10V2-256GDSDC	SQF CFast 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S10V2-512GDSDC	SQF CFast 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S10V1-64GDSDM	SQF CFast 650-D 64G 3D TLC (BiCS5) (-20~85°C)
SQF-S10V2-128GDSDM	SQF CFast 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S10V2-256GDSDM	SQF CFast 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-S10V2-512GDSDM	SQF CFast 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S10V1-64GDSDE	SQF CFast 650-D 64G 3D TLC (BiCS5) (-40~85°C)
SQF-S10V2-128GDSDE	SQF CFast 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S10V2-256GDSDE	SQF CFast 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-S10V2-512GDSDE	SQF CFast 650-D 512G 3D TLC (BiCS5) (-40~85°C)

PN	Description
SQF-S10Z2-32GDSDC	SQF CFast 650-D 32G 3D sTLC (BiCS5) (0~70°C)
SQF-S10Z2-64GDSDC	SQF CFast 650-D 64G 3D sTLC (BiCS5) (0~70°C)
SQF-S10Z2-128GDSDC	SQF CFast 650-D 128G 3D sTLC (BiCS5) (0~70°C)
SQF-S10Z2-32GDSDE	SQF CFast 650-D 32G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S10Z2-64GDSDE	SQF CFast 650-D 64G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S10Z2-128GDSDE	SQF CFast 650-D 128G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S10H2-32GDSDE	SQF CFast 650-D 32G 100K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S10H2-64GDSDE	SQF CFast 650-D 64G 100K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S10H2-128GDSDE	SQF CFast 650-D 128G 100K P/E cycle 3D sTLC (BiCS5) (-40~85°C)