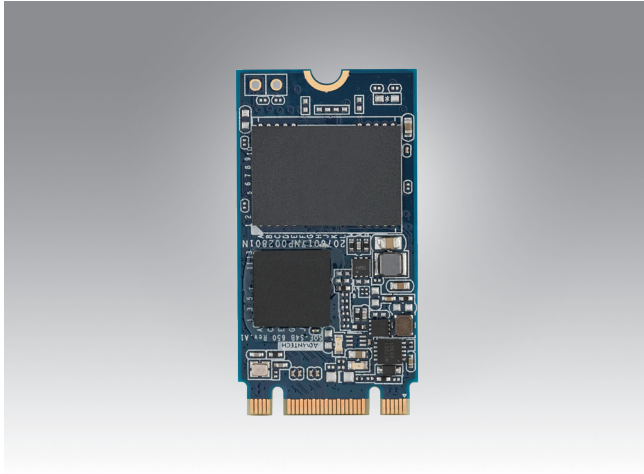


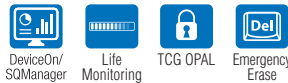
# SQF-S4B 650

SATA III (6.0Gb) M.2 2242 SSD



## Features

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



## Specifications

Connect Type	NGFF B&M Key
Flash type	3D TLC/ 3D sTLC
Capacity	3D TLC: 64GB ~ 1TB 3D sTLC: 32GB ~ 256GB
Transfer Mode	SATA III (Up to 6Gb/s)
Max. Power Consumption	3D TLC: Read: 1.35 W, Write: 1.75 W 3D sTLC: Read: 1.35 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)	42.0 x 22.0 x 3.8

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

## Ordering Information

PN	Description
SQF-S4BV1-64GDSDC	SQF M.2 2242 650-D 64G 3D TLC (BiCS5) (0~70°C)
SQF-S4BV1-128GDSDC	SQF M.2 2242 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S4BV1-256GDSDC	SQF M.2 2242 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S4BV2-512GDSDC	SQF M.2 2242 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S4BV2-1TDSDC	SQF M.2 2242 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-S4BV1-64GDSMD	SQF M.2 2242 650-D 64G 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV1-128GDSMD	SQF M.2 2242 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV1-256GDSMD	SQF M.2 2242 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV2-512GDSMD	SQF M.2 2242 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV2-1TDSMD	SQF M.2 2242 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-S4BV1-64GDSDE	SQF M.2 2242 650-D 64G 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV1-128GDSDE	SQF M.2 2242 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV1-256GDSDE	SQF M.2 2242 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV2-512GDSDE	SQF M.2 2242 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-S4BV2-1TDSDE	SQF M.2 2242 650-D 1T 3D TLC (BiCS5) (-40~85°C)

PN	Description
SQF-S4BZ1-32GDSDC	SQF M.2 2242 650-D 32G 3D sTLC (BiCS5) (0~70°C)
SQF-S4BZ1-64GDSDC	SQF M.2 2242 650-D 64G 3D sTLC (BiCS5) (0~70°C)
SQF-S4BZ2-128GDSDC	SQF M.2 2242 650-D 128G 3D sTLC (BiCS5) (0~70°C)
SQF-S4BZ2-256GDSDC	SQF M.2 2242 650-D 256G 3D sTLC (BiCS5) (0~70°C)
SQF-S4BZ2-256GDSDC	SQF M.2 2242 650-D 256G 3D sTLC (BiCS5) (0~70°C)
SQF-S4BZ1-32GDSDE	SQF M.2 2242 650-D 32G 3D sTLC (BiCS5) (-40~85°C)
SQF-S4BZ1-64GDSDE	SQF M.2 2242 650-D 64G 3D sTLC (BiCS5) (-40~85°C)
SQF-S4BZ2-128GDSDE	SQF M.2 2242 650-D 128G 3D sTLC (BiCS5) (-40~85°C)
SQF-S4BZ2-256GDSDE	SQF M.2 2242 650-D 256G 3D sTLC (BiCS5) (-40~85°C)