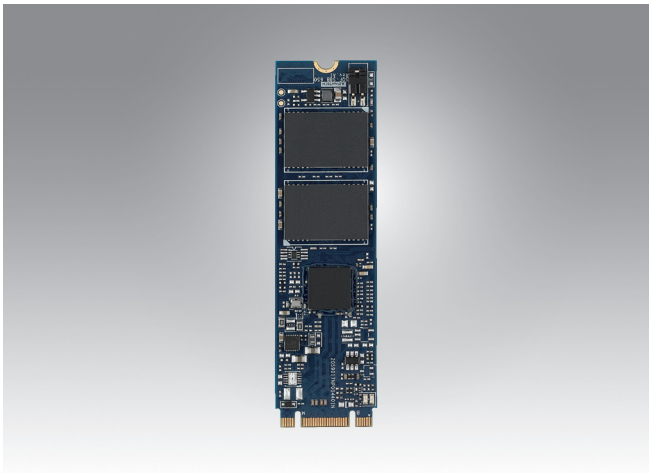
SQF-S8B 650

SATA III (6.0Gb) M.2 2280 SSD



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

DeviceOn/ SQManager | Life Monitoring | TCG OPAL | Emergency Erase

Specifications

Connect Type	NGFF B&M Key
Flash type	3D TLC / 3D sTLC
Capacity	3D TLC: 64GB ~ 2TB 3D sTLC : 32GB ~ 512GB
Transfer Mode	SATA III (Up to 6Gb/s)
Max. Power Consumption	3D TLC: Read: 1.5 W, Write: 1.75 W 3D sTLC : Read: 1.45 W, Write: 1.4 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)	80.0 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-S8BV1-64GDSDC	SQF M.2 2280 650-D 64G 3D TLC (BiCS5) (0~70°C)
SQF-S8BV1-128GDSDC	SQF M.2 2280 650-D 128G 3D TLC (BiCS5) (0~70°C)
SQF-S8BV1-256GDSDC	SQF M.2 2280 650-D 256G 3D TLC (BiCS5) (0~70°C)
SQF-S8BV2-512GDSDC	SQF M.2 2280 650-D 512G 3D TLC (BiCS5) (0~70°C)
SQF-S8BV4-1TDSDC	SQF M.2 2280 650-D 1T 3D TLC (BiCS5) (0~70°C)
SQF-S8BV4-2TDSDC	SQF M.2 2280 650-D 2T 3D TLC (BiCS5) (0~70°C)
SQF-S8BV1-64GDSDM	SQF M.2 2280 650-D 64G 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV1-128GDSDM	SQF M.2 2280 650-D 128G 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV1-256GDSDM	SQF M.2 2280 650-D 256G 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV2-512GDSDM	SQF M.2 2280 650-D 512G 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV4-1TDSDM	SQF M.2 2280 650-D 1T 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV4-2TDSDM	SQF M.2 2280 650-D 2T 3D TLC (BiCS5) (-20~85°C)
SQF-S8BV1-64GDSDE	SQF M.2 2280 650-D 64G 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV1-128GDSDE	SQF M.2 2280 650-D 128G 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV1-256GDSDE	SQF M.2 2280 650-D 256G 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV2-512GDSDE	SQF M.2 2280 650-D 512G 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV4-1TDSDE	SQF M.2 2280 650-D 1T 3D TLC (BiCS5) (-40~85°C)
SQF-S8BV4-2TDSDE	SQF M.2 2280 650-D 2T 3D TLC (BiCS5) (-40~85°C)

PN	Description
SQF-S8BZ1-32GDSDC	SQF M.2 2280 650-D 32G 3D sTLC (BiCS5) (0~70°C)
SQF-S8BZ1-64GDSDC	SQF M.2 2280 650-D 64G 3D sTLC (BiCS5) (0~70°C)
SQF-S8BZ2-128GDSDC	SQF M.2 2280 650-D 128G 3D sTLC (BiCS5) (0~70°C)
SQF-S8BZ4-256GDSDC	SQF M.2 2280 650-D 256G 3D sTLC (BiCS5) (0~70°C)
SQF-S8BZ4-512GDSDC	SQF M.2 2280 650-D 512G 3D sTLC (BiCS5) (0~70°C)
SQF-S8BZ1-32GDSDE	SQF M.2 2280 650-D 32G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BZ1-64GDSDE	SQF M.2 2280 650-D 64G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BZ2-128GDSDE	SQF M.2 2280 650-D 128G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BZ4-256GDSDE	SQF M.2 2280 650-D 256G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BZ4-512GDSDE	SQF M.2 2280 650-D 512G 50K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BH1-32GDSDE	SQF M.2 2280 650-D 32G 100K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BH1-64GDSDE	SQF M.2 2280 650-D 64G 100K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BH2-128GDSDE	SQF M.2 2280 650-D 128G 100K P/E cycle 3D sTLC (BiCS5) (-40~85°C)
SQF-S8BH4-256GDSDE	SQF M.2 2280 650-D 256G 100K P/E cycle 3D sTLC (BiCS5) (-40~85°C)

All product specifications are subject to change without notice.