SQF-CU2 ER-1

PCIe Gen.4 x4 U.2 2.5" SSD

Features

- U.2 (SFF-8639) PCIe 2.5" SSD
- Compliant with NVMe 1.4
- AES-256 Support & TCG-OPAL Compliant
- Supports LDCP & RAID ECC
- Read-Intensive and Mixed-Use support
- Heat-spreading design with thermal solution
- SMART and GUI management tool

RoHS COMPLIANT 2002/95/EC CE FCC

DeviceOn/ SQManager | Life Monitoring | TCG OPAL

Specifications

Connect Type	U.2 (SFF-8639)
Flash type	3D TLC
Capacity	400GB ~ 6.4TB
Transfer Mode	PCIe Gen.4 x4
Max. Power Consumption	Read: 8 W, Write: 8 W
Sequential R/W Performance (*)	up to 7,100/ 6,700 MB/sec
Random R/W IOPS (*)	up to 750K/ 700K
Endurance (DWPD)	Read-Intensive: DWPD 1 Mixed-Use: DWPD 3
Operating Temperature	Commercial grade: 0 to +70 °C 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)	100.2 x 69.85 x 15.0

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

15323776600

Ordering Information

PN	Description
SQF-CU2V4-400GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 400G 3D TLC, DWPD 1 (0 ~ 70 °C)
SQF-CU2V8-800GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 800G 3D TLC, DWPD 1 (0 ~ 70 °C)
SQF-CU2V8-1K6GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 1600G 3D TLC, DWPD 1 (0 ~ 70 °C)
SQF-CU2V8-3K2GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 3200G 3D TLC, DWPD 1 (0 ~ 70 °C)
SQF-CU2V8-6K4GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 6400G 3D TLC, DWPD 1 (0 ~ 70 °C)
SQF-CU2V4-400GDG1E	SQF PCIe/NVMe U.2 2.5" SSD ER-1 400G 3D TLC, DWPD 1 (-40 ~ 85 °C)
SQF-CU2V8-800GDG1E	SQF PCIe/NVMe U.2 2.5" SSD ER-1 800G 3D TLC, DWPD 1 (-40 ~ 85 °C)
SQF-CU2V8-1K6GDG1E	SQF PCIe/NVMe U.2 2.5" SSD ER-1 1600G 3D TLC, DWPD 1 (-40 ~ 85 °C)
SQF-CU2V8-3K2GDG1E	SQF PCIe/NVMe U.2 2.5" SSD ER-1 3200G 3D TLC, DWPD 1 (-40 ~ 85 °C)
SQF-CU2V8-6K4GDG1E	SQF PCIe/NVMe U.2 2.5" SSD ER-1 6400G 3D TLC, DWPD 1 (-40 ~ 85 °C)
SQF-CU2F4C400GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 400G 3D TLC, DWPD 3 (0 ~ 70 °C)
SQF-CU2F8C800GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 800G 3D TLC, DWPD 3 (0 ~ 70 °C)
SQF-CU2F8C1K6GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 1600G 3D TLC, DWPD 3 (0 ~ 70 °C)
SQF-CU2F8C3K2GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 3200G 3D TLC, DWPD 3 (0 ~ 70 °C)
SQF-CU2F8C6K4GDG1C	SQF PCIe/NVMe U.2 2.5" SSD ER-1 6400G 3D TLC, DWPD 3 (0 ~ 70 °C)

All product specifications are subject to change without notice.

Last updated: 29-Jul-2022