



Data Sheet

BRICK2 STORAGE NVMe

BRICK2 STORAGE NVMe is a removable mass Storage device with 32 to 48 Gbit/s sustained write performance for BRICK2 and DATALynx ATX4 measurement and recording systems.

A PCI Express 3.0 x8 host connection enables maximum data throughput for recording applications. PCI Express switch technology combined with datacenter SSD architecture secures highest reliability and performance stability.

BRICK2 STORAGE NVMe is part of the b-plus AVETO Toolbox, see www.b-plus.com for more details.

Highlights

- Removable device for simple data handling
- Compact and robust design for harsh environment
- Hot-plug supported

- NVMe RAID system
- 32 to 48 Gbit/s sustained write
- Massive Storage capacity up to 60 TB
- Encryption acc. TCG OPAL 2.01 prepared

- Status indicator for diagnostics
- Simple OS based device management
- Integrated μ Controller based SIODI system management for save operation



BRICK2 STORAGE NVMe



BRICK2 STORAGE NVMe used in BRICK2 and DATALynx ATX4 Add-on B2S



Features

Host Interface	b-plus STORAGE Interface, PCIe 3.0 x8
Architecture	PCIe 3.0 switch
Exchangeability	Hot-swap supported at BRICK2 & ATX4 with b-plus SIODI Service 3.15 or newer Hot-plug supported at BRICK2 with BIOS BCL6R969 or newer Hot-plug supported at DATALynx ATX4
System compatibility	All BRICK2 configurations All DATALynx ATX4 configurations with Add-on B2S or 8S4 COPYLynx G7 K4, COPYLynx ATX4
OS compatibility	Windows 10 / 11, Ubuntu 18.04 / 20.04 / 22.04
RAID Management	via OS disc management, recommended RAID0 / Striped Volume
Encryption	TCG Storage Security Subsystem Class: Opal Rev 2.01
Housing	Solid aluminum housing, top and bottom part with direct attached SSD
Cooling	passive cooling, controlled airflow from host system
Non-operating temperature	-40°C to +85°C
Relative Humidity	maximum 90 %, non-condensing
Dimensions	280 mm (W) x 248 mm (D) x 22 mm (H)
Weight	2.1 kg

Specifications

Part Number	B17049-B2S-202-015T	B17049-B2S-202-030T	B17049-B2S-202-060T
Part Name	BRICK2 STORAGE NVMe	BRICK2 STORAGE NVMe	BRICK2 STORAGE NVMe
Part Description	15T 834 M74	30T 834 M74	60T 834 M74
Capacity	15.36 TB 13.97 TiB	30.72 TB 27.94 TiB	61.44 TB 55.88 TiB
E1.S NVMe SSD	8x 1.92 TB	8x 3.84 TB	8x 7.68 TB
Sustained Write	48 Gbit/s @ ATX4 32 Gbit/s @ BRICK2	48 Gbit/s @ ATX4 32 Gbit/s @ BRICK2	48 Gbit/s @ ATX4 32 Gbit/s @ BRICK2
Operating temperature with sustained performance	-10 to +60°C @ ATX4 -10 to +55°C @ BRICK2	-10 to +60°C @ ATX4 -10 to +55°C @ BRICK2	-10 to +60°C @ ATX4 -10 to +55°C @ BRICK2
Thermal Design Power	121 W	133 W	145 W
Typical Power Consumption	91 W	100 W	109 W
Qualifications	CE, VCCI, FCC, ICES	CE, VCCI, FCC, ICES	CE, VCCI, FCC, ICES
Certifications	REACH, RoHS, China RoHS	REACH, RoHS, China RoHS	REACH, RoHS, China RoHS