



Data Sheet

BRICK2 STORAGE

BRICK2 STORAGE is a removable mass Storage device up to 24 Gbit/s sustained write performance for BRICK2 and DATAlynx ATX4 measurement and recording systems.

PCI Express 3.0 based host connection for maximum data throughput. Hardware RAID Controller system for most flexibility and best performance to power ratio.

Proven SATA SSD technology for high capacity, bandwidth and data duration.

BRICK2 STORAGE 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
 - Operation temperature -10°C to 50°C (EVO)
-20°C to 60°C (EXT)
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- High performance RAID system up to 24 Gbit/s sustained write
 - Various capacities of 8 TB, 16 TB, 32 TB
 - Software encryption AES 256 bit with hardware acceleration
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- Status indicator for easy functional diagnostics
 - Integrated in the μ Controller based SIODI system management for save operation



BRICK2 STORAGE



BRICK2 STORAGE used in BRCK2 and DATAlynx ATX4 Add-on BS2



Features

Host Interface	PCIe 3.0, 8 lanes	
	STORGE Hot plug prepared	depends on host system
Architecture	high performance Hardware RAID controller	Server RAID technology
Storage modules	8 x SATA SSD	RAID 0 preconfigured
Performance	Up to 24 Gbit/s, up to 20 Gbit/s for EXT version	
Encryption	Software encryption AES 256 bit with hardware acceleration	
Housing	solid aluminum housing with direct attached SSD for optimized cooling	
Cooling	passive cooling, controlled airflow from host system,	

Specifications

System		
Operating System	Windows 10 IoT Enterprise, Ubuntu 20.04	other on request
Administration	b-plus administration tool	integrated b-plus SIODI API
Electrical Specification		
Supply Voltage	12V	direct powered from host system
Power consumption	up to 50W	
Environment Specification		
operation Temperature	-10°C to +50°C	for EVO SSD version
	-20°C to +60°C	for EXT SSD version
non operation	-40°C to +85°C	
Relative Air Humidity	maximum 90 %, non-condensing	
Mechanical Specification		
Dimensions	280 mm (W) x 248 mm (D) x22 mm (H)	
Weight	approx. 2kg	
Certification	CE, RoHS, REACH, VCCI, FCC, KC	

Order Information

Name	Part Number	Description
BRICK2 STORAGE	B17049-B2S101-0xxT	BRICK2 STORAGE, 8 TB, 16 TB, 32 TB, 8x SATA SSD EVO, PCIe 3.0, including neopren protection cover
BRICK2 STORAGE	B17049-B2S-102-0xxT	BRICK2 STORAGE, xx TB, 8x SATA SSD EXT, PCIe 3.0, including neopren protection cover
BRICK STORAGE Transport Case	B17575-ACC-003-0001	Very robust Transport Case for up to 5 BRICK or BRICK2 STORAGEEs
BRICK STORAGE Protection Cover	B17575-ACC-010-0010	Pack of 10 BRICK STORAGE Protection Cover blue with logo print, size 305 x 265mm, 3mm neoprene