

BRICK STORAGEplus EXT



Product overview

BRICK STORAGEplus EXT is a removable mass Storage device up to 16 Gbit/s sustained write performance for BRICK and BRICKplus measurement and recording systems.

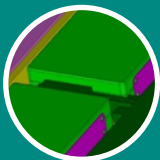
PCI Express 3.0 based host connection for maximum data throughput. Hardware RAID Controller system for most flexibility and best performance to power ratio.

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

BRICK STORAGEplus is part of the b-plus Data recording system, see accordingly specification for more details.

Highlights

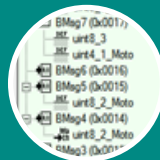
- Performance class Hardware RAID system with 16 Gb/s writing speed¹
- Extended temperature version for extreme conditions
- Removable storage device for simple data handling
- High capacity of 16 TB
- Compact and robust design for harsh environment use
- Operating and status indicator for easy functional diagnosis
- Software API b-plus SIODI support
- Integrated in the μ Controller based BRICK system management for save operation
- Software* encryption AES 256bit supported by BRICKplus CPU hardware acceleration



16 TB capacity



16 Gb/s
recording speed¹



proven Hardware
RAID system



Robust design for
harsh
environment



Removable
Device

Alle Daten bei 25°C Umgebungstemperatur, falls nicht anders angegeben. / All data at nominal input and 25° C ambient temperature, if not marked otherwise. • Alle Daten dienen nur Informationszwecken und sind nicht als zugesicherte Eigenschaften aufzufassen. / All data for information purposes only, no assured characteristics. • Technische Änderungen ohne vorherige Ankündigung sowie Irrtümer vorbehalten. / Technical modifications without notice and errors reserved. • Belastung mit Extremwerten über einen längeren Zeitraum kann die Zuverlässigkeit beeinflussen. / Strain with extreme values for a longer period may affect the reliability. • Alle Trademarks und Logos sind Eigentum der jeweiligen Unternehmen. / All trademarks and logos are property of the concerning companies. In case of doubts the German version of the document is binding. © b-plus GmbH • Dez-21 • Version: 1.0

Mass Storage Device for BRICK Systems

Technical Information

Architecture

PCI Express 3.0 SATA RAID solution
8 x SATA SSD, passive cooling
Storage Capacity 16 TB, other on request

Performance

RAID0 preconfigured
Up to 16 Gbit/s sustained write

Environment specification

Operating temperature: -20°C ~ +70°C
Non-operating: -40°C ~ +85°C
Humidity: 10% to 90%, non-condensing
Temperature controlled Operation integrated in the
b-plus SIODI system management Controller

Mechanical Dimensions

0.5U, 280x248x22mm (WxDxH)

Compatibility

BRICK with Win10 IoT EN x64, Linux x64
BRICKplus with Win10 IoT EN x64, Linux x64
COPYLynx G7 K0, K1, K2, K3

Power consumption

typical power consumption 50 W (@writing) powered
by BRICK



BRICKplus with BRICK STORAGEplus



STORAGE Protection Cover



BRICK STORAGE Transport Case

Name

Order-no.

Description

BRICK STORAGEplus 16T822TG6	B17575-BSC-102-016T	BRICK STORAGEplus EXT 16TB Cartridge with hardware RAID Controller and SATA SSD, RAID0, -20°C ~ +70°C
BRICK STORAGE Transport Case	B17575-ACC-003-0001	Very robust case for safe and secure transport and store of up to 5 BRICK STORAGE Cartridges
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