

## BRICK STORAGE Cartridge

### Product overview

BRICK STORAGE Cartridge is a removable mass Storage device for BRICK data recording systems.

PCI Express based high performance host connection for maximum data throughput

High bandwidth PCI Express based RAID Controller system

Scalable capacity (Up to 32 TB<sup>1</sup>)

Operating and status elements for fast and easy functional diagnosis

Integrated in the  $\mu$ Controller based BRICK system management control for save and reliable operation

Compact and robust design for in vehicle use

Compatible with BRICK Thunder Dock and b-plus CopyLynx data download station

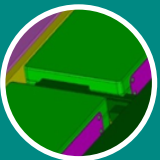
BRICK Storage Cartridge is part of the BRICK Data recording system, see BRICK documentation for further details

<sup>1</sup>Depends on SSD/HDD configuration



Illustration 1: BRICK STORAGE-CARTRIDGE

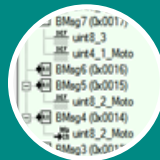
### Highlights



Up to  
32 TB capacity



>1GB/s  
continous  
recording<sup>1</sup>



RAID Modes  
(0,1,5)



Robust housing  
for vehicle use



Fast storage  
exchange

### Technical Information

#### RAID System

PCI Express based RAID system controller  
 Up to 8 x 2,5" SSD / HDD (max 9mm height) or 4 x 2,5" SSD / HDD (max 15mm height)  
 Max. Capacity up to 32TB<sup>1</sup>  
 PRO SSD Continuous write performance >1GByte/s<sup>1</sup>  
 HDD Continuous write performance >400MByte/s<sup>1</sup>  
 Raid Mode 0 / 5

#### Environment specification

Ind. SSD based: -25°C ~ +70°C / tbd.  
 PRO SSD based: 0°C ~ 60°C /non-operating: -40 ~ 85°C  
 HDD based: 0°C ~ +50°C /non-operating: -40~70°C  
 Humidity: 10% to 90%, non-condensing  
 Temperature controlled Operation to secure Data integrity<sup>1</sup>

Integrated BRICK system management control

#### Mechanical Dimensions

B:280mm H:22mm(0,5HE) T:248mm, fit into BRICK Storage Bay Add-on

#### Compatibility

BRICK and BRICKplus with Windows 7 / 10 IoT EN x64, Linux x64

#### Power Supply

Directly powered by BRICK CORE COM, typical power consumption 30W, max 40W<sup>1</sup>

<sup>1</sup>Depends on SSD/HDD type, configuration and RAID Mode



### Name

### Order-no.

### Description

BRICK STORAGE CARTRIDGE HORxxxxTPS	B17575-BSC-0xx-0000	BRICK Storage Cartridge with high performance HW-RAID Controller PRO SSD preconfigured as RAID 0/NTFS
BRICK STORAGE CARTRIDGE HOR16TCH	B17575-BSC-004-0000	BRICK Storage Cartridge with high performance HW-RAID Controller HDD preconfigured as RAID 5/NTFS
BRICK STORAGE CARTRIDGE HORxxxxTIS	Only on request	BRICK Storage Cartridge with high performance HW-RAID Controller Industrial grade SSD preconfigured as RAID 0/NTFS