Meet BRYCK® Platform Mini, a Portable, Universally Compatible Data Capture, Process, and Movement Platform

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BRYCK®

Activating the Data that Runs the World

Meet BRYCK® Platform Mini, a Portable, Universally Compatible Data Capture, Process, and Movement Platform

BRYCK Platform Mini is a portable, rugged and small form factor storage system designed to operate in the most stringent environments with low power consumption.

The Mini uses an advanced power management algorithm that keeps only a few storage devices active at any point of operation to reduce power consumption.

The Mini has two variants to address data-capturing needs for various use cases that have different storage capacities and size requirements.

All two models optionally include a storage software stack. The storage software stack provides a self-healing storage with support for remote access protocols such as NFS, SMB, S3 and BryckCP. It makes data secure by encrypting it using automated encryption key management and protects data from hardware failures and data corruption.

BRYCK® Mini is deployable in multiple industries and use cases, including but not limited to:

- **Government and Defense:**

  BRYCK Mini collects data at the edge and moves it safely for processing and use.

- **Aerospace:**

  BRYCK Mini captures enormous quantities of data generated in every flight. BRYCK Mini can be easily transported physically to a site for processing data before reuse.

- **Autonomous Vehicles:**

  BRYCK Mini helps to ensure that data from Cameras and sensors are processed and insights are generated that transform into great decisions.

- **Far Edge Exploration:**

  BRYCK Mini provides access to far edge data that enables scientists to learn more about unknown and unexplored aspects of the oceans and space.

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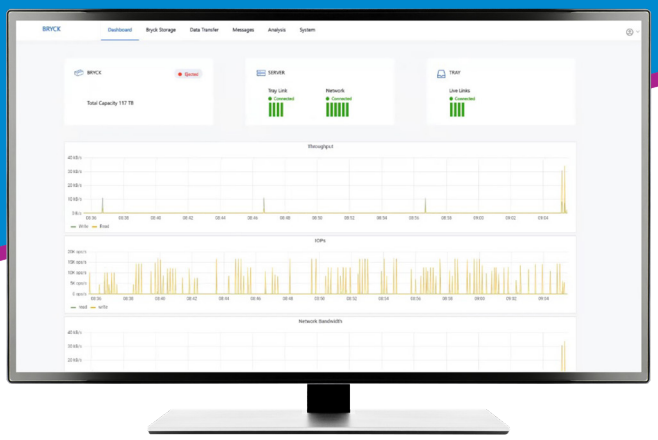

BRYCK® Platform

BRYCK Platform includes an advanced self-healing software platform that protects and secures data, guarantees data consistency, provides high speed data access, transparently deploys the solution into existing infrastructures, and provides comprehensive monitoring.

Benefits of BRYCK®

- **Deploy Anywhere:** Rugged small form factor enables customers to deploy BRYCK at typical edges, mobile edges and data centers to capture and process large data.
- **Data Transport:** Lightweight BRYCK enables customers to transport data through normal shipping preferences fast and cost effectively.
- **Generic:** BRYCK uses standard access interfaces and does not have proprietary lock ups, enabling customers to deploy BRYCK in any IT environment.
- **Cost Savings:** BRYCK reduces the cost of transferring data by reducing the time and effort of physically moving storage equipment.
- **Speed:** BRYCK enables users to speed up data processing at the edge, extending the storage, computing, and analytics to accelerate insights. Make data available for analysis faster than ever before, and benefit from the power of data insights generated by activating the data safely, quickly, and efficiently.
- **Security:** BRYCK is tamper-resistant, eliminates the security risks associated with migrating data over a digital connection and avoids time delays and interruptions arising from bandwidth constraints.
- **Single Solution:** BRYCK is a powerful, portable solution for capturing, processing, moving, and storing data in any format, from any source. A user-friendly dashboard allows users to monitor performance and usage, the standard interfaces ensure simple operation, and its rugged exterior allows for reuse time and again.

The BRYCK® Solution

- **Simple Data Capture at the Edge:** BRYCK simplifies capturing, processing, and analyzing large quantities of data at the edge across multiple industries, such as air travel and defense. This factor reduces the amount of movement between edge and core environments, which speeds up the secure transfer and exchange of data.
- **Seamless Integration:** BRYCK provides access to data over standard access interfaces such as NFS.

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Technical Specification

LP-SL1

LP-SL1-BLK

HARDWARE SPECIFICATION

Model	BM-LPSL1	BM-LPSL1-BLK
CPU	16 ARM v8.2 + A78 Hercules Cores	16 ARM v8.2 + A78 Hercules Cores
Memory	48GB	48GB
Ethernet Interface	2x 100 GbE 1x 1GbE (Up to Eight 25GbE/10GbE ports enabled through cable splitters)	2x 100 GbE 1x 1GbE (Up to Eight 25GbE/10GbE ports enabled through cable splitters)
Capacity TB (up to)	256	256
Storage	Inbuilt	Swappable Blocks - 2 No's
Swappable Drives (Only for LP-SL1-BLK & LP-SL2-BLK)	2 Nos	4 Nos
Cooling	Convection - Fan based	Convection - Fan based
Dimension (WxHxL)	3.0" x 7.0" x 13.5"	3.0" x 7.0" x 13.5"
Weight (lb)	10	10
Power Input	264V AC, 50-400 Hz, Internal PSU's	264V AC, 50-400 Hz, Internal PSU's

ENVIORNMENTAL SPECIFICATION

Operating

Temperature: 0°C to 50°C

Humidity: 10-90% @ 0-10K feet above sea level

Shock: 3 axis, 35g, 25ms

Vibration: 4.76Grms, 10Hz to 2000 Hz

Non-Operating

Temperature: -40°C to 70°C

Humidity: 5% to 95% (non-condensing)

INPUT/OUTPUT VERSATILITY

SFP28, QSFP28

Micro USB - Serial port Management console

RJ45 GbE

AGENCY COMPLIANCES**

MIL-STD: 810G, MIL-STD-461E

FCC Class A

CE Safety & Emissions

UL, cUL

RoHS3

***Designed to meet*

DATA STORAGE SPECIFICATION

NFS, SMB, S3, BryckCP, Ext4, FAT, NTFS, UFS,

FTP, HTTP, RSYNC

SMART, SNMP, Syslog

RAID 0,RAID 1 ,RAID 5, RAID 6

Self-healing data protection

Hardware data encryption

Data protection from HW/Software failures

Fast data transfer utility

Web and REST API Management