

LYVE™ Mobile Array



Data Sheet

Flexible Data Movement for Any Workflow



Seagate® Lyve™ Mobile Array is a portable, rackable data storage solution designed to quickly and securely store data at the edge or move data across your enterprise. The Lyve Mobile Array enables universal data compatibility, versatile connectivity, secure encryption, and ruggedized data transportation. Lyve Mobile Array is available through Seagate's Lyve Mobile Services.



Best-Fit Applications

- Data migration to any major cloud and multicloud platform
- Large lift-and-shift data migration projects
- Disaster recovery and data redundancy transfer projects
- Edge data aggregation and quick data ingest to cloud, multicloud, or private data centers

Data activation at the edge.

Simple. Ready to use - Plug and play to fit any environment and data management workflow where you need it.

Efficient. Capture data anywhere and move it everywhere with a flexible and efficient subscription service model.

Secure. Seagate Secure™ offers industry-standard AES 256-bit hardware encryption at rest and in motion. Backed up by superior manufacturing, a global support, and service capabilities.

Scalable for multiple environments. Both office and data center ready with RAID and SSD configurations, and convenient desktop and data center connectivity.

Device management. Works seamlessly with Lyve Client software for superior security and RAID management as well as common DAS connections and high-performance network setups.

Flexible. Versatile interfaces like including Thunderbolt™3, PCIe®, and USB-C let Lyve Mobile Array connect everywhere. Use the optional Lyve Mobile Rackmount Receivers for data center and 19" rack integration with iSCSI and SAS ports.

Local high-performance storage applications with Seagate Lyve USM (High Performance PCIe gen 3.0) technology.





Specifications		
Physical Characteristics	Handle for carrying and racking Fully enclosed, non-serviceable	
Capacity (6-bay array)	SSD Nitro® SAS: 46TB, 92TB	
File System	exFAT (default) or user-defined	
Interface (DAS)	1x Lyve USM (High Performance PCIe® gen 3.0) Mobile Array PCIe Adapter required. SAS available with Rackmount Receiver option.	
Network Interfaces (SAN)	Lyve™ Mobile Rackmount Receiver required for iSCSI (2×RJ45 1/10G copper 4× SFP+ 10/25G optical) SFP+ transceiver included with Rackmount Receiver	
Supported RAID Modes	RAID 0 and RAID 5 (Default)	
Noise Level	34dBA to 53dBA - Temperature and activity dependent	
Nonoperating Drop Height	500mm/19.68in (SSD)	
Operating Drop Height	100mm/3.94in (SSD)	
Power Specifications (voltage)	LYVE MOBILE ARRAY: Power Input 100-240VAC, 50-60Hz using AC power supply Power Input 12VDC-15A using 12VDC power cord connecting to a 12VDC power source (battery) LYVE RACKMOUNT RECEIVER: Integrated redundant power supplies; Power Input 100-240VAC, 50-60Hz	
Power Consumption (typical)	130W (typical), 180W max (SSD version)	
Temperature (SSD model)	+5°C to +50°C +41°F to +122°F (operating) -40°C to +65°C -40°F to +149°F (nonoperating)	
Temperature (NVMe model)	+0°C to +50°C +32°F to +122°F (operating) -40°C to +65°C -40°F to +149°F (nonoperating)	
Relative Humidity	10% to 60% (noncondensing, operating) 5% to 85% (noncondensing, nonoperating)	
Vibration (max. operational)	SSD 0.5G, Random, 5-500Hz (operating) SSD + Mobile Mount + PCIe Adapter: meets transport vibration test standard IEC 60068-2-64	
Vibration (max. nonoperating)	1.14G (nonoperating)	
Security	Seagate Secure™ AES-256 bit encryption, crypto erase and TCG enterprise encryption	
Software	Lyve™ Client software for setup, management, and security with physical product locking	
Smart State Enabled	Pre-defined RGB LED states for various functions	
Included Cables	external power supply	
In-Transit Protection	Lyve Mobile Array Shipper	
Lyve Mobile Array Shipper Tests	MIL-STD-810F §512.4, 514.5, 516.5; DEF STAN 81-41 Part 3/4 IP6X Category 2 and IPX7	
Specifications		
	Product Dimensions	Box Dimensions
Height (in/mm)	5.7in 145mm	12.283in 312mm
Width (in/mm)	8.27in 210mm	19.882in 505mm
Depth (in/mm)	16.45in 418mm	25in 635mm
Weight (lb/kg) - SSD	23lb 10.4kg	23.88kg 50.7lbs

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Lyve Mobile Array Accessories	
Lyve Mobile Rackmount Receiver	Optional Lyve Rackmount Receiver required for use in standard 19-in rack. Functional with 1 or 2 Lyve Mobile Arrays
Rackmount Receiver Power	Integrated redundant power supplies; Power input 100-240vAC, 50-60Hz, max. 380W
Rackmount Receiver Ports	Version-dependent, field-replaceable interface cards.
Rackmount Receiver Dimension	4U (Height 7in/177.8mm Width 19in/482.6mm Depth 24.5in/624.84mm)
Lyve Mobile Mount Front Loader (v2)	Lighter version of the Lyve Mobile Mount, with front horizontal loading of Lyve Mobile Array and front cable access. Product Dimensions (Door closed): Height 175mm Width 220mm Depth 549mm Weight: 5.6kg
Lyve Mobile PCIe Adapter	Provides NVMe-like storage over 2 SFF-8644 ports. Seamlessly integrates and recommended for use with Mobile Mount

Product Images			
Lyve Rackmount Receiver	Lyve Mobile Mount	Lyve Mobile PCIe Adapter	Lyve Mobile Array Shipper

System Requirements	What's Included
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- Windows® 10 or higher
- MacOS® 10.15 or higher
- Ubuntu 20.04 and RedHat 8
- Lyve Client Software for Windows/macOS

- Seagate® Lyve™ Mobile Array
- Quick start guide
- 20V power adapter for UK, EU/KR, USA/JP, AUS/NZ
- Lyve Mobile Array Shipper
- Thunderbolt™ 3 active cable (1.5m)
- USB 3.1 Gen 2 cables (1m type C/C and 1m type C/A)

Region	Model Number	Capacity	Notes
WW	STJX46000401	46TB	6 × 7.6TB Nytro SSD RAID 5 Capacity 38.4TB
WW	STJX90000401	92TB	6 × 15.3TB Nytro SSD RAID 5 Capacity 75TB

Lyve Mobile Array and Rackmount Receiver Options	Data Cable Included	Model Number
Lyve Mobile Mount Front Loader (v2)		3EYAP1-RA2 STKU400
Lyve Mobile PCIe Adapter		STKT400
Lyve Mobile Rackmount Receiver 2 Port SAS 12G (per Mobile Array)	HDSAS; length: 4m; 4pcs.	STKA400
Lyve Mobile Rackmount Receiver 4 Port iSCSI 25GB - 25G SFP+ (per Mobile Array)	UPC-FC/UPC Patch cord OM3; length: 2m; 8pcs.	STKA405

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