SEAGATE

LYVE™ Mobile

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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. Both the full-flash and hard drive versions enable 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

- Fast data migration to any major cloud or multicloud platform
- Disaster recovery and data redundancy transfer projects
- Edge data aggregation

SEAGATE SECURE

A-LIGN ISO 27001 CERTIFIED

A-LIGN SOC 2

Data activation at the edge.

Simple. Plug-and-play Lyve Mobile into any environment or data-management workflow.

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

Secure. Adhering to the most stringent, globally recognised data security standards, Lyve Mobile is ISO 27001:2013 and SOC2® certified. Seagate Secure™ offers industry-standard AES 256-bit hardware encryption for data at rest and in motion.

Scalable. Ready for the office and data centre alike, Lyve Mobile offers RAID NVMe, SSD, and HDD configurations for convenient 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 including Thunderbolt™3, PCIe®, and USB-C let Lyve Mobile Array connect everywhere. Use the optional Lyve Mobile Rackmount Receivers for data centre and 19" rack integration with Fibre Channel, iSCSI and SAS ports.

High-performance local storage. Seagate Lyve USM (PCIe gen 3.0) technology enables impressive read/write performance of up to 6 GB/s (dual port).

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LYVE™ Mobile

Specifications	
Physical Characteristics	Handle for carrying and racking | Fully enclosed, non-serviceable
Capacity (6-bay array)	HDD Exos® SAS: 60 TB, 96 TB (6x HDD) | SSD Nytro® SAS: 46 TB, 92 TB (6x SSD) | NVMe Nytro®: 122 TB (8x NVMe)
File System	exFAT (default) or user-defined
Interface (DAS)	2× USB-C for either Thunderbolt™ 3 (40 Gb/s) or USB 3.2 (10 Gb/s) 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) or Fibre Channel (2× SFP+ 16/32G optical). SFP+ transceiver included with Rackmount Receiver
Throughput	Lyve USM (High Performance PCIe® gen 3.0): 6 GB/s Lyve USM (High Performance PCIe® gen 3.0) Dual-Port: 12 GB/s Thunderbolt 3: 2.8 GB/s. USB 3.2 : 620 MB/s
Supported RAID Modes	RAID 0 and RAID 5 (Default)
Noise Level	34dBA to 53dBA - Temperature and activity dependent
Non-operating Drop Height	300 mm/11.81 in (HDD) | 500 mm/19.68 in (SSD)
Opertating Drop Height	60 mm/2.36 in (HDD) | 100 mm/3.94 in (SSD) | 80 mm/3.15 in (NVMe)
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 100-240 VAC, 50-60 Hz
Power Consumption (typical)	130W (typical), 240W max (during startup HDD version); 180W max (SSD version)
Environmental Compliance	REACH, RoHS-2
Safety and Regulatory	FCC, CE, RCM, VCCI, BSMI, NRTL, BIS, and KCC
Temperature (HDD model)	+5°C to +40°C | +41°F to +104°F (operating) –40°C to +65°C | –40°F to +149°F (no-noperating)
Temperature (SSD model)	+5°C to +50°C | +41°F to +122°F (operating) –40°C to +65°C | –40°F to +149°F (non-operating)
Temperature (NVMe model)	+0°C to +50°C | +32°F to +122°F (operating) –40°C to +65°C | –40°F to +149°F (non-operating)
Relative Humidity	10% to 60% (non-condensing, operating) 5% to 85% (non-condensing, non-operating)
Vibration (max. operational)	SSD: 0.5G, Random, 5 – 500Hz (operating) HDD: 0.25G, Random, 5 – 500Hz (operating) SSD + Mobile Mount + PCIe Adapter: meets transport vibration test standard IEC 60068-2-64
Vibration (max. non-operating)	1.14G (HDD, SSD non-operating)
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	Thunderbolt 3, 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)	5.7 in | 145 mm	12.283 in | 312 mm
Width (in/mm)	8.27 in | 210 mm	19.882 in | 505 mm
Depth (in/mm)	16.45 in | 418 mm	25 in | 635 mm
Weight (lb/kg) - NVMe	21.7 lb | 9.9 kg	23.38 kg | 51.5 lbs
Weight (lb/kg) - SSD	23 lb | 10.4 kg	23.88 kg | 50.7 lbs
Weight (lb/kg) - HDD	27.5 lb | 12,5 kg	26.89 kg | 57.3 lbs

LYVE™ Mobile Array

Region	Model Number	Capacity	Notes
WW	STJX46000400	46TB	6 × 7.6 TB Nytro SSD RAID 5 Capacity 38.4 TB
WW	STJX60000400	60TB	6 × 10 TB Exos HDD RAID 5 Capacity 50 TB
WW	STJX90000400	92TB	6 × 15.3 TB Nytro SSD RAID 5 Capacity 75 TB
WW	STJX96000400	96TB	6 × 16 TB Exos HDD RAID 5 Capacity 80 TB
WW	STLN122000400	122TB	8 × 15.3 TB Nytro NVMe SSD RAID 5 Capacity 106 TB

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 7 in/177.8 mm | Width 19 in/482.6 mm | Depth 24.5 in/624.84 mm)
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 175 mm | Width 220 mm | Depth 549 mm | Weight: 5.6 kg
Lyve Mobile PCIe Adapter	Provides NVMe-like storage over 2 SFF-8644 ports. Seamlessly integrates and recommended for use with Mobile Mount
Lyve Mobile Padlock	Lock and unlock Lyve Mobile Array in locations with no access to a local network or with air-gap security measures in place. Product Dimensions: (WxHxD) Width 34 mm | Height 115 mm | Depth 82 mm
Lyve Mobile Link	Turn your Mobile Array into a secure SMB or NFS shared storage over your local network. 10 GbE and 100 GbE connectivity for high-performance accessibility and transfers. Product Dimensions: (WxHxD) 240 x 143 x 267 mm

Product Images

Lyve Rackmount Receiver	Lyve Mobile Mount	Lyve Mobile PCIe Adapter	Lyve Mobile Array Shipper	Lyve Mobile Padlock	Lyve Mobile Link

System Requirements

- Windows® 10 or higher
- MacOS® 10.15 or higher
- Ubuntu 20.04 and RedHat 8
- Lyve Client Software for Windows/macOS

What's Included

- Seagate® Lyve™ Mobile Array
- Lyve Mobile Array Shipper
- Quick start guide
- Thunderbolt™ 3 active cable (1.5m)
- 20V power adapter for UK, EU/KR, USA/JP, AUS/NZ
- USB3.1 gen2 cables (m type C/C and 1m type C/A) 1

Lyve Mobile Array and Rackmount Receiver Options	Data Cable Included	Model Number
Lyve Mobile Mount (v1)		3EYAP1-RA1 STKU400
Lyve Mobile Mount Front Loader (v2)		3EYAP1-RA2 STKU400
Lyve Mobile PCIe Adapter		STKY400
Lyve Mobile Padlock		STLY400
Lyve Mobile Link		STMD400
Lyve Mobile Rackmount Receiver 2 Port SAS 12G (per Mobile Array)	HDSAS; length: 4m; 4pcs.	STKA400
Lyve Mobile Rackmount Receiver 2 Port Fibre Channel 16 Gb (per Mobile Array)	UPC-FC/UPC Patch cord OM3; length: 2m; 4pcs.	STKA401
Lyve Mobile Rackmount Receiver 2 Port Fibre Channel 32 Gb (per Mobile Array)	UPC-FC/UPC Patch cord OM3; length: 2m; 4pcs.	STKA402
Lyve Mobile Rackmount Receiver 2 Port RJ45 iSCSI 10 GBASE-T (per Mobile Array)	CAT6A 26AWG 10G; length: 1.5m; 4pcs.	STKA403
Lyve Mobile Rackmount Receiver 4 Port iSCSI 10 GB - 25G SFP+ (per Mobile Array)	UPC-FC/UPC Patch cord OM3; length: 2m; 8pcs.	STKA404
Lyve Mobile Rackmount Receiver 4 Port iSCSI 25 GB - 25G SFP+ (per Mobile Array)	UPC-FC/UPC Patch cord OM3; length: 2m; 8pcs.	STKA405

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