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. 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 Data Services and Data Transfer as a Service offering.

Best-Fit Applications

- 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 centres

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 centre ready, with RAID SSD and HDD configuration options available, and convenient desktop and data centre connectivity.

Data management. Works seamlessly with Lyve Client and Lyve Pilot software to enable user-defined automation, data motion, superior security, metadata tagging, universal S3 cloud compatibility, and more.

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 centre and 19"" rack integration with Fibre Channel, iSCSI, and SAS ports.

Local high-performance storage applications with Seagate Lyve USM (High Performance PCIe gen 3.0) and VelosCT™ technology. PCIe read/write performance, up to 6 GB/s and 12 GB/s (dual port).

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Specifications	
Physical Characteristics	Handle for carrying and racking | Fully enclosed, non-serviceable
Capacity (6-bay array)	HDD Exos® SAS: 60 TB, 96 TB | SSD Nytro® SAS: 46 TB, 92 TB
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) [1] 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 [1] (2×RJ45 1/10G copper 4× SFP+ 10/25G optical) or Fibre Channel (2× SFP+ 16/32G optical). No SFP included with optical interfaces
Throughput	Lyve USM (High Performance PCIe® gen 3.0): 6 GB/s | Lyve USM (High Performance PCIe® gen 3.0) Dual-Port [1]: 12 GB/s Thunderbolt 3: 2.8 GB/s. USB 3.2 [1]: 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)
Power Specifications (voltage)	LYVE MOBILE ARRAY: Power Input 100-240VAC, 50-60Hz Power Input 12VDC, 15A* LYVE RACKMOUNT RECEIVER: Integrated redundant power supplies; Power Input 100-240VAC, 50-60Hz *Provided for reference only. Lyve Mobile Array and Lyve Mobile PCIe adapter have been certified by Safety and EMC laboratories for use with their provided power adapters only.
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, NOM and KCC [1]
Temperature (HDD model)	+5°C to +40°C | +41°F to +104°F (operating) −40°C to +65°C | −40°F to +149°F (non-operating)
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)
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)
Vibration (max. non-operating)	1.14G (HDD and SSD 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	Thunderbolt 3, external power supply
In-Transit Protection	Lyve Mobile Array Shipper
Lyve Mobile Array ShipperTests	MIL-STD-810F §512.4, 514.5, 516.5; DEF STAN 81-41 Part 3/4 IP6X Category 2 and IPX7

1 Coming soon

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) - SSD	20.9 lb | 9,5 kg	23.88 kg | 50.7 lbs
Weight (lb/kg) - HDD	27.5 lb | 12,5 kg	26.89 kg | 57.3 lbs

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Region	Model Number	Capacity	Notes
WW	STJX46000400	46TB	6 × 7.6 TB Nytro SSD RAID 5 Capacity 38.4 TB
WW	STJX60000400	60TB	6 × 10TB 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

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(v1)	Fixture frame for edge or vehicle applications Product Dimensions: Height 7.76 in/197 mm	Width 9.6 in/244 mm	Depth 21.54 in/547 mm	 Weight: 11.7 kg
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. Recommended use and seamlessly integrates with Mobile Mount

Product Images

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

System Requirements

- Windows® 10 or higher
- Mac® 10.15 or higher
- Ubuntu 20.04 and RedHat 8
- Lyve Client Software for Windows/OSx/Linux

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 (1m 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 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) [1]	CAT6A 26AWG 10G; length: 1.5m; 4pcs.	STKA403
Lyve Mobile Rackmount Receiver 4 Port iSCSI 25 GB - 10G SFP+ (per Mobile Array) [1]	UPC-FC/UPC Patch cord OM3; length: 2m; 8pcs.	STKA404
Lyve Mobile Rackmount Receiver 4 Port iSCSI 25 GB - 25G SFP+ (per Mobile Array) [1]	UPC-FC/UPC Patch cord OM3; length: 2m; 8pcs.	STKA405

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