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.

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 SSD and HDD configuration options available, and convenient desktop and data center 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 center 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 6GB/s and 12GB/s (dual port).
## Specifications

### Physical Characteristics
- Handle for carrying and racking | Fully enclosed, non-serviceable

### Capacity (6-bay array)
- HDD Exos® SAS: 60TB, 96TB | SSD Nytro® SAS: 46TB, 92TB

### File System
- exFAT (default) or user-defined

### Interface (DAS)
- 2x USB-C for either Thunderbolt™ 3 (40Gb/s) or USB 3.2 (10Gb/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 2x RJ45 1/10G copper 4x SFP+ 10/25G optical or Fibre Channel 2x SFP+ 16/32G optical.
- SFP+ transceiver included with Rackmount Receiver

### Throughput
- Lyve USM (High Performance PCIe® gen 3.0): 6GB/s
- Lyve USM (High Performance PCIe® gen 3.0) Dual-Port: 12GB/s
- Thunderbolt 3: 2.8GB/s, USB 3.2: 620MB/s

### Supported RAID Modes
- RAID 0 and RAID 5 (Default)

### Noise Level
- 34dBA to 53dBA - Temperature and activity dependent

### Nonoperating Drop Height
- 300mm/11.81in (HDD) | 500mm/19.68in (SSD)

### Operating Drop Height
- 60mm/2.36in (HDD) | 100mm/3.94in (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

### Temperature (HDD model)
- +5°C to +40°C | +41°F to +104°F (operating)
- –40°C to +65°C | –40°F to +149°F (nonoperating)

### 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)

### Relative Humidity
- 10% to 60% (noncondensing, operating)
- 5% to 85% (noncondensing, nonoperating)

### Vibration (max. operational)
- SSD: 0.5G, Random, 5-500Hz (operating)
- HDD: 0.25G, Random, 5-500Hz (operating)

### Vibration (max. nonoperating)
- 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 Shipper Tests
- MIL-STD-810F §512.4, 514.5, 516.5; DEF STAN 81-41 Part 3/4
- IP6X Category 2 and IPX7

### Specifications

<table>
<thead>
<tr>
<th>Physical Dimensions</th>
<th>Box Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (in/mm)</td>
<td>5.7in</td>
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<tr>
<td>Width (in/mm)</td>
<td>8.2in</td>
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<tr>
<td>Depth (in/mm)</td>
<td>16.45in</td>
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<tr>
<td>Weight (lb/kg) - SSD</td>
<td>20.9lb</td>
</tr>
<tr>
<td>Weight (lb/kg) - HDD</td>
<td>27.5lb</td>
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</table>
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 Dimension: 4U (Height 7in/177.8mm | Width 19in/482.6mm | Depth 24.5in/624.84mm)

Lyve Mobile Mount (v1)
- Fixture frame for edge or vehicle applications
  - Product Dimensions: Height 7.76in/197mm | Width 9.6in/244mm | Depth 21.54in/547mm | Weight: 11.7kg

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.
- Recommended use and seamlessly integrates with Mobile Mount

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

<table>
<thead>
<tr>
<th>Region</th>
<th>Model Number</th>
<th>Capacity</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>WW</td>
<td>STJX46000400</td>
<td>46TB</td>
<td>6 x 7.6TB Nytro SSD RAID 5 Capacity 38.4TB</td>
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<td>WW</td>
<td>STJX60000400</td>
<td>60TB</td>
<td>6 x 10TB Exos HDD RAID 5 Capacity 50TB</td>
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<tr>
<td>WW</td>
<td>STJX90000400</td>
<td>92TB</td>
<td>6 x 15.3TB Nytro SSD RAID 5 Capacity 75TB</td>
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<td>WW</td>
<td>STJX96000400</td>
<td>96TB</td>
<td>6 x 16TB Exos HDD RAID 5 Capacity 80TB</td>
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<thead>
<tr>
<th>Model Number</th>
<th>Data Cable Included</th>
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<tbody>
<tr>
<td>3EYAP1-RA1</td>
<td>STKU400</td>
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<td>3EYAP1-RA2</td>
<td>STKU400</td>
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<td>STKY400</td>
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<td>STKA401</td>
<td>UPC-FC/UPC Patch cord OM3; length: 2m; 4pcs.</td>
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<td>STKA402</td>
<td>UPC-FC/UPC Patch cord OM3; length: 2m; 4pcs.</td>
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<td>STKA403</td>
<td>CAT6A 26AWG 10G; length: 1.5m; 4pcs.</td>
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<td>STKA404</td>
<td>UPC-FC/UPC Patch cord OM3; length: 2m; 8pcs.</td>
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<tr>
<td>STKA405</td>
<td>UPC-FC/UPC Patch cord OM3; length: 2m; 8pcs.</td>
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</table>

¹ Lyve Mobile Rackmount Receiver 2 Port iSCSI 25GB - 10G SFP+ (per Mobile Array)