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.

**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 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) technology.** PCIe read/write performance, up to 6GB/s
**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 (2×RJ45 1/10G copper 4× SFP+ 10/25G optical) or Fibre Channel (2× SFP+ 16/32G optical)
  - SFP+ transceiver included with Rackmount Receiver
- Lyve Mobile Rackmount Receiver: Integrated redundant power supplies; Power Input 100-240VAC, 50-60Hz

**Throughput**
- Lyve USM (High Performance PCIe® gen 3.0): 6GB/s | Lyve USM (High Performance PCIe® gen 3.0) 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)**
- 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), 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)

**SSD + Mobile Mount + PCIe Adapter: meets transport vibration test standard IEC 60068-2-64**

**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>Product Dimensions</th>
<th>Box Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (in/mm)</td>
<td>5.7in</td>
</tr>
<tr>
<td>Width (in/mm)</td>
<td>8.27in</td>
</tr>
<tr>
<td>Depth (in/mm)</td>
<td>16.45in</td>
</tr>
<tr>
<td>Weight (lb/kg) - SSD</td>
<td>20.9lb</td>
</tr>
<tr>
<td>Weight (lb/kg) - HDD</td>
<td>27.5lb</td>
</tr>
</tbody>
</table>
Lyve Mobile Array

Optional Lyve Rackmount Receiver required for use in standard 19-in rack.
Functional with 1 or 2 Lyve Mobile Arrays

Integrated redundant power supplies; Power input 100–240vAC, 50–60Hz, max. 380W

Version-dependent, field-replaceable interface cards.

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.
Seamlessly integrates and recommended for use with Mobile Mount

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
Lyve Mobile Array Shipper
Quick start guide
Thunderbolt™ 3 active cable (1.5m)
20V power adapter for UK, EU/KR, USA/JP, AUS/NZ
USB 3.1 gen2 cables (1m type C/C and 1m type C/A)

Lyve Mobile Array and Rackmount Receiver Options

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