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.

**Data Sheet**

**Flexible Data Movement for Any Workflow**

**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 NVME, 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 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 (6x HDD) | SSD Nytro® SAS: 46TB, 92TB (6x SSD) | NVMe Nytro™: 122TB (6x NVMe)

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)
  - Fibre Channel (2× 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 & NVMe)

Operating Drop Height
- 60mm/2.36in (HDD) | 100mm/3.94in (SSD) | 80mm/3.15in (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 100-240VAC, 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, 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 (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)

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 | NVMe: 0.5G, Random, 5–500Hz (operating)
- HDD: 0.25G, Random, 5–500Hz (operating)
- SSD/NVMe + Mobile Mount + PCIe Adapter: meets transport vibration test standard IEC 60068-2-64

Vibration (max. nonoperating)
- 1.14G (HDD, SSD and NVMe 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></th>
<th>Product Dimensions</th>
<th>Box Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height (in/mm)</td>
<td>5.7in</td>
<td>145mm</td>
</tr>
<tr>
<td>Width (in/mm)</td>
<td>8.27in</td>
<td>210mm</td>
</tr>
<tr>
<td>Depth (in/mm)</td>
<td>16.45in</td>
<td>418mm</td>
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<tr>
<td>Weight (lb/kg) - NVMe</td>
<td>21.7lb</td>
<td>9.9kg</td>
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<tr>
<td>Weight (lb/kg) - SSD</td>
<td>23lb</td>
<td>10.4kg</td>
</tr>
<tr>
<td>Weight (lb/kg) - HDD</td>
<td>27.5lb</td>
<td>12.5kg</td>
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</tbody>
</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 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 (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

**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
- USB 3.1 gen2 cables (1m type C/C and 1m type C/A)

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

**Product Images**

<p>| Lyve Rackmount Receiver | Lyve Mobile Mount | Lyve Mobile PCIe Adapter | Lyve Mobile Array Shipper |</p>
<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 STKU400</td>
</tr>
<tr>
<td>Lyve Mobile Mount Front Loader (v2)</td>
<td></td>
<td>3EYAP1-RA2 STKU400</td>
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<tr>
<td>Lyve Mobile PCIe Adapter</td>
<td></td>
<td>STKY400</td>
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<tr>
<td>Lyve Mobile Rackmount Receiver 2 Port SAS 12G (per Mobile Array)</td>
<td>HDSAS; length: 4m; 4pcs.</td>
<td>STKA400</td>
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<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>
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<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>
</tr>
</tbody>
</table>

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