FEATUR ES & BENEFITS

The Easy, Efficient, and Scalable Tape Library

Tape remains a popular storage choice for data backup and DR, long-term data retention, and unstructured data archives. Tape's cost benefit, durability, portability, and off-line protection from ransomware are among the reasons for its sustained popularity. As IT organizations wrestle with rapid unstructured data growth and the increased risk of ransomware attacks, along with the business realities of resource constraints, it’s critical for IT solutions to maximize efficiencies beyond just acquisition costs.

HIGH EFFICIENCY

With features like best-in-class storage density—providing up to 1.5 PB in just 3U and up to 12 PB in 24U—along with 80 PLUS® certified power supplies, Scalar i3 enables users to reduce their tape footprint and lower their power and cooling costs, ensuring savings on more than just the initial purchase.

SCALABILITY

Scalar i3 simplifies growth management with a modular design and Capacity-on-Demand (CoD) scalability. It can scale cartridge slots from 25 slots up to 400—instantly—with CoD software licensing, providing compressed capacities from 750 TB up to 12 PB. And users can add read/write performance as needed, with support for up to 24 tape drives. With the partitioning feature, Scalar i3 can provide data protection and archiving in a single library as a valuable tool to address today’s IT challenges.

EASE OF USE

The Scalar® i3 tape library is designed for ease of use from initial setup to ongoing management. The Scalar iLayer™ management software—proven to reduce management time and improve system uptime—has been fully refreshed for even greater efficiencies and a modern, intuitive user experience. Its mobile-first user interface design allows you to manage the library from anywhere with a network connection on virtually any device.
TECHNICAL SPECIFICATIONS

CAPACITY CONFIGURATIONS

<table>
<thead>
<tr>
<th>No. of Modules</th>
<th>Form Factor</th>
<th>Maximum Slots</th>
<th>Maximum Drives</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 (1 CM)</td>
<td>3U</td>
<td>50</td>
<td>3</td>
</tr>
<tr>
<td>2 (1 CM + 1 EM)</td>
<td>4U</td>
<td>100</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>9U</td>
<td>150</td>
<td>9</td>
</tr>
<tr>
<td>4</td>
<td>12U</td>
<td>200</td>
<td>12</td>
</tr>
<tr>
<td>5</td>
<td>15U</td>
<td>250</td>
<td>15</td>
</tr>
<tr>
<td>6</td>
<td>18U</td>
<td>300</td>
<td>18</td>
</tr>
<tr>
<td>7</td>
<td>21U</td>
<td>350</td>
<td>21</td>
</tr>
<tr>
<td>8</td>
<td>24U</td>
<td>400</td>
<td>24</td>
</tr>
</tbody>
</table>

Minimum capacity is 25 slots; additional slots can be activated with a Capacity-on-Demand (CoD) license.

Assumes 2.5:1 compression.

New, unused LTO generation 7 cartridges can be initialized as LTO-8 Type M media (M8).

OPERATION

User Interface: Local touch screen; HTML5 remote management GUI with mobile-first design for mobile, tablet, and PC support

Connectivity Options: 8 Go Fibre Channel and 6 Go-SAS

Inventory Speeds: Approximately 1 minute for typical configurations

Firmware Updates: Customers can choose to have automatic checks for firmware updates to ensure use of the latest library and drive code levels.

Configuration: Auto-discovery and auto-calibration for installed/added components (modules, tapes, drives, magazines, etc.)

Library Partitioning: Supports up to 12 partitions

Import/Export: Configurable, 0 to 25 slots in 5-slot increments for every module

RELIABILITY

Library MTBF: Greater than 2 million

Library MTTR: 30 minutes

Power: Optional 2N power

Diagnostics: Proactive Diagnostics embedded within the library monitor major subsystems, run self-diagnostic procedures, and send policy-based communications to system administrators

Module Upgrade: Any module may be added in less than 30 minutes; all components are customer installable.

PHYSICAL

Module H x W x D
Control Module: 5.2 in x 17.4 in x 36.4 in (13.2 cm x 44.1 cm x 92.45 cm)
Expansion Module: 5.2 in x 17.4 in x 36.4 in (13.1 cm x 44.1 cm x 92.45 cm)

RACK INSTALLATION REQUIREMENTS

• Library must be installed in a standard 19-inch four-post rack enclosure
• Minimum rack depth is 42.13 inches (1,070 mm)

SOFTWARE AND PLATFORM COMPATIBILITY

For a complete list of software and platforms compatible with Scalar i3, consult the most recent Quantum Software Compatibility Guide at www.quantum.com/swcompguide.aspx.

COMPLIANCE AND CERTIFICATION

Safety Standards: IEC-60950 with worldwide country deviations


Immunity Standards: EN 55024, KN 35

International Certifications: CE (Europe), VCCI (Japan), TUV/VS (Germany), FCC (USA), ICES (Canada), cTUVus (USA and Canada), EAC (EurAsian Conformity Mark), KCC (Korea), BSMI (Taiwan)

ENVIRONMENTAL

Environmental Factor | Operational Storage¹ | Archival Storage¹

Temperature: 16 to 35 ºC (61 to 95 ºF) | 16 to 25 ºC (61 to 77 ºF)

Relative Humidity (non-condensing): 20 to 80% | 20 to 50%

Maximum Wet Bulb Temperature: 26 ºC (79 ºF) | 26 ºC (79 ºF)

Maximum Rate of Temperature Change per Hour: 2 ºC | 2 ºC

Maximum Rate of Humidity Change per Hour: 5% | 5%

¹Operational Storage refers to tape cartridges housed within the library for less than 6 months.

²Archival Storage refers to tape cartridges housed within the library for more than 6 months.

For tape cartridge storage or shipping environment requirements outside of the library, please refer to specific LTO tape media specifications provided by the LTO consortium at www.lto.org or specifications provided by the media manufacturer.

ELECTRICAL AND POWER

Electrical: 100 VAC to 240 VAC, 50 Hz to 60 Hz

Power: 80 PLUS certified power supplies

DRIVE CAPACITY AND PERFORMANCE

<table>
<thead>
<tr>
<th>Drive Type</th>
<th>Media Type</th>
<th>Cartridge Capacity Native/Compressed¹ (TB)</th>
<th>Drive Throughput Native/Compressed¹ (MB/sec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTO-6 (L6)</td>
<td>LTO-6 (L6)</td>
<td>12 / 30</td>
<td>300 / 750</td>
</tr>
<tr>
<td>LTO-7 (L7)</td>
<td>LTO-7 (M8)</td>
<td>9 / 22.5</td>
<td>300 / 750</td>
</tr>
<tr>
<td>LTO-8 (M8)</td>
<td>LTO-8 (L8)</td>
<td>6.0 / 15.0</td>
<td>300 / 750</td>
</tr>
<tr>
<td>LTO-6 (L6)</td>
<td>LTO-6 (L6)</td>
<td>2.5 / 6.25</td>
<td>140 / 400</td>
</tr>
</tbody>
</table>

LTO tape drives support encryption and LFTS.

¹Assumes 2.5:1 compression.

New, unused LTO generation 7 cartridges can be initialized as LTO-8 Type M media (M8).

ADVANCED FEATURES

Advanced Reporting: Media Integrity Analysis report, Media Usage report, Drive Utilization report, Media Security report and media removal notifications; report scheduling with automated report creation and delivery to distribution lists

Control Path Failover: Provides redundant connectivity for robotics control

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