

# ORION MC6

## OVERVIEW

The ORION MC6 is a high-performance enterprise library with over 50 PB storage and up to 24 drives per rack. Its rackmount design ensures seamless data center integration, while quiet, reliable robotics enhance efficiency. Developed for mid-sized businesses, hyperscalers, and enterprises, it offers multiple full-stack configurations to suit diverse configurations.

## KEY FEATURES

### Modularity

Due to its adaptable design, the ORION can be customized to suit any tape application—whether that means additional drives, extra tape slots, or a combination of both.

### Modularity within the Full Rack

The modular storage system is available in 42U or 48U pre-configured racks, with a library that ranges from 6U to 48U and supports 1 to 8 modules.

### Cartridge and Drive Capacity

The modular storage system includes 6U base, drive, and cartridge expansion units, supporting up to 3 LTO9/10 FH drives per module. A full 48U library can hold up to 1,115 slots and 24 FH drives.

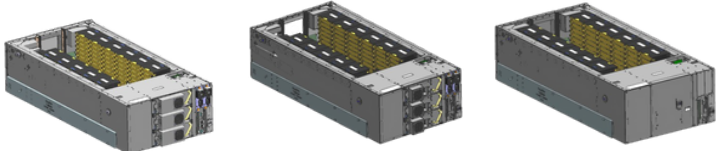
### Speed and Cybersecurity

The ORION offers high-speed, efficient data storage with optimized robotics and short tape paths. Supporting up to 24 drives at 900 MBps each, it ensures fast and reliable data handling. Its physical air gap adds essential protection, making it ideal for disaster recovery.



## ORION MC6

### TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DETAILS
<b>MODULAR SYSTEM</b> Library  Tape Capacity Shipment with Cartridges Loaded Drive Types Drive Generations I/O Module Fixed Magazines Adapter for 19 inch Equipment	<b>48U RACK</b>  1 6U Base Module with Robot Up to 7 6U Expansion Modules Up to 1115 LTO Cartridges Supported Full Height FC and Full Height SAS LTO-8, LTO-9 and LTO-10 Up to 8 Up to 6 6U / 12U / 18U
<b>MODULE TYPE</b>   6U Base Module   6U Drive Expansion   6U Cartridge Expansion   Full 48U Library	<div style="text-align: center;">  <p> <span>Drive Expansion Module</span>      <span>Base Module</span>      <span>Tape Expansion Module</span> </p> </div> <p>                     121 Tape Slot Magazines                      1x Import/Export Module with 7 Tapes                      Up to 3 LTO9/10 FH Drives                      128 Slots Total                 </p> <p>                     121 - 132 Tape Slot Magazines                      1x Import/Export Module with 7 Tapes (optional)                      Up to 3 LTO9/10 FH Drives                      128/132 Slots Total                 </p> <p>                     12x 11 Tape Slot Magazines                      1x Fixed Cartridge Module with 9 Tapes                      Up to 3 LTO9/10 FH Drives                      141 Slots Total                 </p> <p>                     12x 11 Tape Slot Magazines                      1x Fixed Cartridge Module with 9 Tapes                      Up to 3 LTO9/10 FH Drives                      141 Slots Total                 </p>
<b>MAX. CAPACITY</b> LTO-10 Native / Compressed LTO-9 Native / Compressed LTO-8 Native / Compressed	<p>                     33.45 PB / 83.53 PB                      20.07 PB / 50.18 PB                      13.38 PB / 50.18 PB                 </p>

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### TECHNICAL SPECIFICATIONS

SPECIFICATIONS	DETAILS		
<b>RELIABILITY</b> Robotic MSBF MTTR Power	2.000.000 Swaps 10 min + Library Initialization 2nd Power Supply for redundancy		
<b>INTERFACES</b> Front Operator Panel Ethernet REST API Remote Management Interface	3,5" monochrome display with button panel Redundant 100/1000 Mbit Supported Remote Management WEB GUI ( <i>optional</i> )		
<b>FIRMWARE</b> System Firmware Key Features	Linux software based Secure Boot, Rest API, Logical Partitions, User Handling, SSL-Support, Network Configuration/Management, Tape Drive Configuration, KMIP Encryption, Backup / Restore of Configuration, SW Feature Licenses, System Logs, Library Tests, Media ID Check, Multi-Factor Authentication, IPv6		
<b>ENVIRONMENTAL</b> Dry-Bulb Temperature (LTO-8) Dry-Bulb Temperature (LTO-9 / LTO-10) Relative Humidity	<b>RECOMMENDED</b> 16 to 25 °C (61 to 77 °F) 15 to 25 °C (59 to 77 °F) 20 to 50% (non-condensing)	<b>ALLOWABLE</b> 16 to 25 °C (61 to 95 °F) 15 to 35 °C (59 to 95 °F) 20 to 80% (non-condensing)	<b>SHIPPING</b> -23 TO 49 °C (-9 to 120 °F) -23 TO 49 °C (-9 to 120 °F) 10 to 80% (non-condensing)
<b>POWER</b> Power Supply Quantity Input Voltage Power Consumption External Power	2N Redundant Power in Base Module and Expansion Modules with Drives 100-240 VAC (50-60 Hz) 300W / Gold 80 Plus Certified Option for Power from external customer power supply		
<b>COMPLIANCE</b> Safety Regulatory	CB Report IEC 62368 / CB Test Certificate 62368 (3/4 edition) / NRTL USA/CAN Nemko CE DoC EN / NRTL (Nemko) / FCC / China RoHS mark		
<b>RACK PHYSICAL DIMENSIONS</b> Width Depth Height Weight	600 mm (23.6") 1200 mm (47.2") 2230 mm (87.8") 1000 kg (2205 lbs)		



LT ZERO is a leading provider of comprehensive data management solutions, specializing in data backup, archival, and restoration solutions. Leveraging on cutting-edge technology and strategic collaboration with BDT, a leader in manufacturing of Tape Libraries, LT ZERO ensures robust and reliable data protection for businesses of all sizes.

For more information, please visit [www.ltzero.com](http://www.ltzero.com)