ORION S3 Technical Datasheet

MODULAR SYSTEM	48U RACK	42U RACK
Library	1 6U Base Module with Robot & 6x 6U Expansion Modules	1 6UBase Module with Robot & 5x 6U Expansion Modules
Tape Capacity	Up to 974 LTO Cartridges	Up to 833 LTO Cartridges
Shipment with Cartridges Loaded	Supported	
Drive Types	Full Height FC and Full Height SAS	
Drive Generations	LTO-8, LTO-9 and LTO-10	
I/O Module	Up to 7	Up to 6
Fixed Magazines	Up to 5	Up to 4
Adapter for 19 Inch Equipment	6U / 12U / 18U	
CAPACITY-TRANSFERRATE		
LTO-10 Native/Compressed	29.22 PB – 400 MB/sec 73.05 PB – 2.750 MB/sec	24.99 PB – 400 MB/sec 62.47 PB – 2.750 MB/sec
LTO-9 Native/Compressed	17.53 PB – 400 MB/sec 43.83 PB – 1.000 MB/sec	14.99 PB – 400 MB/sec 37.48 PB – 1.000 MB/sec
LTO-8 Native/Compressed	11.68 PB – 360 MB/sec 29.22 PB – 900 MB/sec	9.99 PB – 360 MB/sec 24.99 PB – 900 MB/sec

RELIABILITY	48U RACK / 42U RACK
Robotic MSBF	2.000.000 Swaps
MTTR	10 min + Library Initialization
Power	2nd Power Supply for redundancy
INTERFACES	
Front Operator Panel	3.5“monochrome display with button panel
Ethernet	Redundant 100/1000 Mbit
REST API	Supported
Remote Management Interface	Remote Management WEB GUI (optional)
FIRMWARE	
System Firmware	Linux software based
Key Features	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
POWER	
Power Supply Quantity	2N Redundant Power in Base Module and Expansion Modules with Drives
Input Voltage	100-240 VAC (50-60 Hz)
Power Consumption	300W / Gold 80 Plus Certified
External Power	Option for Power from external customer power supply

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ENVIRONMENTAL	Recommended	Allowable	Shipping
Dry-Bulb Temperature (LTO-8)	16 to 25°C (61 to 77°F)	16 to 35°C (61 to 95°F)	-23 to 49°C (-9 to 120°F)
Dry-Bulb Temperature (LTO-9/LTO-10)	15 to 25°C (59 to 77°F)	15 to 35°C (59 to 95°F)	-23 to 49°C (-9 to 120°F)
Relative Humidity	20 to 50% (non-condensing)	20 to 80% (non-condensing)	10 to 80% (non-condensing)
COMPLIANCE			
Safety	CB Report IEC 62368 / CB Test Certificate 62368 (3/4 edition) / NRTL USA/CAN Nemko		
Regulatory	CE DoC EN / NRTL (Nemko) / FCC / China RoHS mark		

RACK PHYSICAL DIMENSIONS

Width	600 mm (23.6“)	600 mm (23.6“)
Depth	1200 mm (47.2“)	1200 mm (47.2“)
Height	2310 mm (90.9“)	2157 mm (84.9“)
Weight	~1000 kg (2205 lbs)	~900 (1984 lbs)

S3-to-Tape

The first 6U reserved for PoINT Archival Gateway and Switches. PoINT Archival Gateway and FC-Switches are included & Pre-Installed.



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