

Desktop Tape Backup Solutions



- » Ultrium HH LTO4 desktop backup bundle for workstation or workgroups, PCs or MACs
- » Retrospect supports either workstations or servers
- » Connect the tape drive to any SAN client with read access to all the SAN data and full SAN backups are simple to complete
- » Small HH desktop design and low power consumption
- » Easy single part number bundled package includes tape drive, HBA, cable and Retrospect software
- » Huge tape cartridge capacity:
800GB [native] 1600GB [compressed]
- » SCSI or SAS Models
- » Max transfer rate 120MB/S / 240MB/s
- » Reads and writes LTO-3, Reads LTO-2
- » All Bundles include 3 year warranties on tape drives and HBAs, 1 year on software and optional upgrades to overnight swap or onsite maintenance

The LTO Technology Advantage

LTO tape technology meets the current and future backup requirements of reliability and high performance. Rorke brings you the latest in that technology with the fourth generation of the Linear Tape Open (LTO) standardized drive in a simple desktop configuration.

LTO technology has continued to grow and become the de facto standard for tape backup functions. This is apparent in the growing capacity of the data cartridges and the systems along with much higher data transfer rates. The new generation of LTO desktop tape drive with SCSI or SAS interface meets this requirement.

As the entry level member of Rorke's Digital Content Archive [DCA] Family, the desktop configuration is positioned for its value, ease of use, and performance. This entry level product lends itself to an easy migration to LTO libraries and ultimately Rorke's DVA.

We provide this in a bundled configuration for either a workstation or server on PC or MAC OS. The configurations include the LTO-4 desktop drive, HBA, cable, and Retrospect software.

Backward Compatibility

LTO-4 drives are read-and write-compatible. LTO-4 tape drives can:

- » read and write LTO-4 cartridges
- » read LTO-3 cartridges and rewrite LTO-3 cartridges in LTO-3 format
- » read LTO-2 cartridges

PC or MAC Workstation Version Description

Includes desktop LTO-4 in a small form factor desktop enclosure, Retrospect backup software, SCSI or SAS HBA, and cabling. Includes 3 year warranties on LTO and HBA, 1 year on software. Either MAC or PC version of Retrospect protects the local host workstation plus protects up to 2 networked PC clients or 3 networked MAC clients.

PC or MAC Server Version Description

Includes desktop LTO-4 in a small form factor chassis, Retrospect backup software, SCSI or SAS HBA, and cabling. Includes 3 year warranties on LTO and HBA, 1 year on software. Either MAC or PC version of Retrospect protects the local host server plus protects unlimited networked Windows, MAC, Linux, or Solaris clients.

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Bundle Part Numbers / Description

LTO4SCSI-WINDSK	SCSI based Windows Workstation desktop bundle includes drive, SCSI HBA, cables, and Retrospect sw.
LTO4SAS-WINDSK	SAS based Windows Workstation desktop bundle includes drive, SAS HBA, cables, and Retrospect sw.
LTO4SCSI-MACDSK	SCSI based MAC OSX Workstation desktop bundle includes drive, SCSI HBA, cables, and Retrospect sw.
LTO4SAS-MACDSK	SAS based MAC OSX Workstation desktop bundle includes drive, SAS HBA, cables, and Retrospect sw.
LTO4SCSI-WINSSVUN	SCSI based Windows Server desktop bundle includes drive, SCSI HBA, cables, and Retrospect sw.
LTO4SAS-WINSSVUN	SAS based Windows Server desktop bundle includes drive, SAS HBA, cables, and Retrospect sw.
LTO4SCSI-MACSSVUN	SCSI based MAC OSX Server bundle includes drive, SCSI HBA, cables, and Retrospect sw.
LTO4SAS-MACSSVUN	SAS based MAC OSX Server bundle includes drive, SAS HBA, cables, and Retrospect sw.

Operational Features

Chassis	Rugged Half Height Compact Steel and Aluminum Alloy enclosure configured with SCSI or SAS interface
Drive	Ultrium LTO-4 HH [SAS or SCSI] with ready, ID indicator, and media eject push-button
Capacity [native / compressed*]	800GB / 1600GB
Transfer Rates [native / comp*]	Up to 120 MB/S [432 GB/ hr] / 240 MB/S [864GB/hr]
Transfer Rates [native / comp*]	SAS 300 MB/s SCSI 320MB/S
Tape Media Specifications	20,000 load / unload cycles / 30 year shelf life / 5,120 RLL-encoded Ones per mm / ALDZ-2 compression scheme
Encryption	Hardware based AES 256-bit data encryption
Worm capable	Yes, based on WORM Media
Load Time / Avg time to data	2 sec / 55 sec

Reliability

MTBF [hours]	250,000 @ 100 % duty cycle
MCBF	100.000 Load / thread / unload
Non-Recoverable Error Rate	1 X 10 17 bits [non-media error, clean drive]

Mechanical Specifications

Voltage	100-240 VAC Auto-Ranging
Current (Maximum)	12 A @ 100 VAC; 6A @ 240 VAC
Power Supply	Single 50W, 100-240 VAC auto-ranging, 50-60 Hz
Power Consumption	30 Watts Maximum / 6 Watts idling
Operating Temperature	50 to 104F [10 to 40C] (-40 to 149F [-40 to 66C non operational)
Relative Humidity	Maximum 90%
Dimensions (H x W x D)	6.6 x 21.2 x 27.2 cm (2.6 x8.35 x 10.73in)
Weight	Net weight : 3.6 kg (8 lbs) Gross weight (including carton): 4.2kg (10.0 lbs)
* Assume each hard drive 0.67 kg	

Warranty and Support

Warranty	Three years limited factory warranty – optional Advanced replacements program and service contracts available
Support	24 x 7 email and phone support options (Americas & EMEA); 24 x 7 access to Rorke Data support site — drivers, firmware, compatibility Advanced replacements program

Easy to Install and Manage

Since 1985 Rorke Data has been successfully bringing you easy-to-install products. Pre-configured, tested, and customized to your needs before it leaves our ISO 3485 and ISO 9001 certified integration facility, your system is ready to use out of the box. Setting up minor configuration changes on site is simple. Our technical support staff is well versed and can help with any installation issues you may incur.

Service and Support

Rorke Data's Engineering Services delivers a unique value proposition for our customers. We offer customized & flexible service agreements, installation and training, call center with online support options, advance parts replacement to onsite 24x7 options, contracted phone, pager & web support, extended equipment warranty options, with US and EMEA customer support centers