

neo®
Configuration Guide
v3.0
April 2013

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1 SUMMARY: The Advantages of Tape-Based Backup/Archive

Automated tape backup and archive,utilizing industry-leading LTO technology, provides a number of benefits for long-term data storage and archiving:

- High storage capacity: providing up to 6.25TB of storage in the size of a cocktail napkin, tape backup and archive provides **superior storage density**.
- High-speed data access: with the ability to backup and restore data at up to 1.4TB/hr. per drive, tape backup and archive ensures **quick data access**.
- Low cost/GB: costing as little as \$.01 per GB, tape backup and archive provides **superior cost of ownership** with the lowest cost per gigabyte for high-capacity data storage.
- Energy-efficient: because tape-based solutions utilize significantly less power than their disk-based counterparts, the **energy costs** associated with tape-based solutions are **235x lower** than disk-based solutions.
- Portable: tape is a removable medium that not only reliably **facilitates offline storage** for disaster recovery purposes but also enables sharing of data between multiple sites.
- Durable: because of it's ruggedized cartridge and **30-year shelf life**, tape is ideally suited for automated reliable long-term storage.
- High data security: with features such as WORM (write-once-read-many) and data encryption, tape-based backup and archive solutions ensure the **highest levels of security** for user data.
- Widespread industry support: **supported by leading operating systems** and backup **software applications**, and recognized as a key component in protecting your data by major **server manufacturers** such as HP, Dell and IBM, automated tape backup and archive is widely supported across the IT infrastructure.
- Longevity you can count on: with a roadmap that provides up to 32TB of storage capacity on a single tape cartridge and transfers data at up to 4TB per hour per drive, LTO tape solutions **protect** your data and **your investment** for the long haul.



Mark Ostlund, Vice President
Cache-A Corporation

"LTO is the standard in the IT industry. So if you look at what **Wall Street** is using, what the **government** is using, what **enterprise business** is using, **it's all LTO data tape** for long-term archival storage."



NEO® Series

2 NEO 100s

<p>GENERAL GUIDLINE</p> <p>If your customer:</p>	<ul style="list-style-type: none"> • Needs 5 – 20TB of backup/archive capacity • Has a SAS environment • Has very limited resources • Does not expect significant changes in data storage requirements over the next 2 years • May not have ever used automated backup/archive before • Is very budget constrained 																																																			
<p>Step 1</p>	<p>Recommend NEO 100s (includes US power cord, rack-mount hardware & documentation)</p> <table border="0"> <tr> <td>OV-NEO100s6SA</td> <td>NEO 100s, 9-slot, LTO6 SAS (6Gb/SFF8088 mini-SAS)</td> <td>22.5 TB – 56.3 TB capacity</td> </tr> <tr> <td>OV-NEO100s5SA</td> <td>NEO 100s, 9-slot, LTO5 SAS (6Gb/SFF8088 mini-SAS)</td> <td>13.5 TB – 27 TB capacity</td> </tr> <tr> <td>OV-NEO100s4SA</td> <td>NEO 100s, 9-slot, LTO4 SAS (6Gb/SFF8088 mini-SAS)</td> <td>7.2 TB – 14.4 TB capacity</td> </tr> </table>	OV-NEO100s6SA	NEO 100s, 9-slot, LTO6 SAS (6Gb/SFF8088 mini-SAS)	22.5 TB – 56.3 TB capacity	OV-NEO100s5SA	NEO 100s, 9-slot, LTO5 SAS (6Gb/SFF8088 mini-SAS)	13.5 TB – 27 TB capacity	OV-NEO100s4SA	NEO 100s, 9-slot, LTO4 SAS (6Gb/SFF8088 mini-SAS)	7.2 TB – 14.4 TB capacity																																										
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NEO® Series

3 NEO 200s

<p>GENERAL GUIDLINE</p> <p>If your customer:</p>	<ul style="list-style-type: none"> • Needs 15 – 50TB of backup/archive capacity • Has a SAS or FC environment • Has limited resources • Does not expect significant changes in data storage requirements over the next 2 years • Is somewhat concerned about the speed of data transfer 																																																																														
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<p>Step 3</p>	<p>Recommend additional warranty coverage <i>(standard warranty is OverlandCare Level 1: one year advanced replacement of parts):</i></p> <p>Upgrade to additional years of OverlandCare advanced parts replacement</p> <p>EWCAREL1R-N200s OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 1-Yr Uplift, 200s EWCAREL1U-N200s OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 3-Yr Uplift, 200s</p> <p>Upgrade to OverlandCare onsite coverage</p> <p>EWCAREL2R-N200s OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Uplift, 200s EWCAREL2U-N200s OverlandCare Level 2 (24x7 Phone/NBD Onsite), 3-Yr Uplift, 200s EWCAREL3R-N200s OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, 200s EWCAREL3U-N200s OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, 200s EWCAREL4R-N200s OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, 200s EWCAREL4U-N200s OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, 200s</p> <p>Extend your OverlandCare onsite coverage</p> <p>EWCAREL1E-N200s OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 1-Yr Extension, 200s EWCAREL2E-N200s OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Extension, 200s EWCAREL3E-N200s OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, 200s EWCAREL4E-N200s OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, 200s</p> <p>Add installation services</p> <p>INSTALL1-NS2/4 NEO 200s/400s OverlandCare Level 1 Installation INSTALL2-NS2/4 NEO 200s/400s OverlandCare Level 2 Installation</p>
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NEO® Series

4 NEO 400s

GENERAL GUIDLINE If your customer:	<ul style="list-style-type: none"> • Needs 30 – 100TB of backup/archive capacity & is concerned about the speed of data transfer • Has a SAS or FC environment • Expects moderate changes in data storage requirements over the next 2 years • Is interested in investment protection 																																																																																				
Step 1	<p>Recommend NEO 400s (includes US power cord, rack-mount hardware & documentation)</p> <table border="0"> <tr> <td>OV-NEO400s6SA</td> <td>NEO 400s, 48-slot, 1xLTO6 SAS (8Gb/SFF8088 mini-SAS)</td> <td>120TB – 300TB capacity</td> </tr> <tr> <td>OV-NEO400s6FC</td> <td>NEO 400s, 48-slot, 1xLTO6 FC (8Gb/SFF8088 mini-SAS)</td> <td>120TB – 300TB capacity</td> </tr> <tr> <td>OV-NEO400s5SA</td> <td>NEO 400s, 48-slot, 1xLTO5 SAS (8Gb/SFF8088 mini-SAS)</td> <td>72TB – 144TB capacity</td> </tr> <tr> <td>OV-NEO400s5FC</td> <td>NEO 400s, 48-slot, 1xLTO5 FC (8Gb/LC optical)</td> <td>72TB – 144TB capacity</td> </tr> <tr> <td>OV-NEO400s4SA</td> <td>NEO 400s, 48-slot, 1xLTO4 SAS (6Gb/SFF8088 mini-SAS)</td> <td>38.4TB – 76.8TB capacity</td> </tr> <tr> <td>OV-NEO400s4FC</td> <td>NEO 400s, 48-slot, 1xLTO4 FC (8Gb/LC optical)</td> <td>38.4TB – 76.8TB capacity</td> </tr> </table> <p><i>NOTE: NEO 400s libraries also available pre-configured with 2 tape drives. Please consult your Overland Storage sales representative for part number details.</i></p>	OV-NEO400s6SA	NEO 400s, 48-slot, 1xLTO6 SAS (8Gb/SFF8088 mini-SAS)	120TB – 300TB capacity	OV-NEO400s6FC	NEO 400s, 48-slot, 1xLTO6 FC (8Gb/SFF8088 mini-SAS)	120TB – 300TB capacity	OV-NEO400s5SA	NEO 400s, 48-slot, 1xLTO5 SAS (8Gb/SFF8088 mini-SAS)	72TB – 144TB capacity	OV-NEO400s5FC	NEO 400s, 48-slot, 1xLTO5 FC (8Gb/LC optical)	72TB – 144TB capacity	OV-NEO400s4SA	NEO 400s, 48-slot, 1xLTO4 SAS (6Gb/SFF8088 mini-SAS)	38.4TB – 76.8TB capacity	OV-NEO400s4FC	NEO 400s, 48-slot, 1xLTO4 FC (8Gb/LC optical)	38.4TB – 76.8TB capacity																																																																		
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Step 2	<p>Recommend the following options:</p> <p>Additional 12-slot magazines to facilitate media loading/unloading & offline storage</p> <table border="0"> <tr> <td>OV-NEO400sLL</td> <td>NEO400s Lower Left Magazine (with mailslot)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-NEO400sUL</td> <td>NEO400s Upper Left Magazine (no mailslot)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-NEOsMAGR</td> <td>NEOs Right-Side Magazine</td> <td>Qty. 2</td> </tr> </table> <p>Additional tape drives for increased performance & redundancy</p> <table border="0"> <tr> <td>OV-NEOsAD6SA</td> <td>NEOs LTO6 SAS add-on drive</td> <td>Qty. 1</td> <td>(for library part # OV-NEO400s6SA)</td> </tr> <tr> <td>OV-NEOsAD6FC</td> <td>NEOs LTO6 FC add-on drive</td> <td>Qty. 1</td> <td>(for library part # OV-NEO400s6FC)</td> </tr> <tr> <td>OV-NEOsAD5SA</td> <td>NEOs LTO5 SAS add-on drive</td> <td>Qty. 1</td> <td>(for library part # OV-NEO400s5SA)</td> </tr> <tr> <td>OV-NEOsAD5FC</td> <td>NEOs LTO5 FC add-on drive</td> <td>Qty. 1</td> <td>(for library part # OV-NEO400s5FC)</td> </tr> <tr> <td>OV-NEOsAD4SA</td> <td>NEOs LTO4 SAS add-on drive</td> <td>Qty. 1</td> <td>(for library part # OV-NEO400s4SA)</td> </tr> <tr> <td>OV-NEOsAD4FC</td> <td>NEOs LTO4 FC add-on drive</td> <td>Qty. 1</td> <td>(for library part # OV-NEO400s4FC)</td> </tr> </table> <p>LTO data cartridges</p> <table border="0"> <tr> <td>OV-LTO901605</td> <td>LTO6 data cartridge (labeled/random/box of 5)</td> <td>Qty. 10</td> </tr> <tr> <td>OV-LTO901620</td> <td>LTO6 data cartridge (unlabeled/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTOBCL620</td> <td>LTO6 data cartridge (labeled/custom/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTO901505</td> <td>LTO5 data cartridge (labeled/random/box of 5)</td> <td>Qty. 10</td> </tr> <tr> <td>OV-LTO901520</td> <td>LTO5 data cartridge (unlabeled/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTOBCL520</td> <td>LTO5 data cartridge (labeled/custom/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTO901405</td> <td>LTO4 data cartridge (labeled/random/box of 5)</td> <td>Qty. 10</td> </tr> <tr> <td>OV-LTO901420</td> <td>LTO4 data cartridge (unlabeled/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTOBCL420</td> <td>LTO4 data cartridge (labeled/custom/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTO901999</td> <td>LTO Cleaning Cartridge (box of 1)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTOCLN05</td> <td>LTO Cleaning Cartridge (box of 5)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTOCLN20</td> <td>LTO Cleaning Cartridge (box of 20)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTO901012</td> <td>LTO6 barcode labels (100 data; 10 cleaning)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTO901011</td> <td>LTO5 barcode labels (100 data; 10 cleaning)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTO901008</td> <td>LTO4 barcode labels (100 data; 10 cleaning)</td> <td>Qty. 1</td> </tr> </table> <p>SAS connectivity kit to facilitate SAS connection between backup server & library</p> <table border="0"> <tr> <td>OV-SAS901711</td> <td>LTO SAS connectivity kit (includes LSI 9200-8e SAS HBA & 1x4 SFF8088 3m SAS cable)</td> <td></td> </tr> </table> <p>Redundant power supply for increased data availability</p> <table border="0"> <tr> <td>OV-LNS901705</td> <td>NEOs Redundant Power Option</td> <td></td> </tr> </table>	OV-NEO400sLL	NEO400s Lower Left Magazine (with mailslot)	Qty. 1	OV-NEO400sUL	NEO400s Upper Left Magazine (no mailslot)	Qty. 1	OV-NEOsMAGR	NEOs Right-Side Magazine	Qty. 2	OV-NEOsAD6SA	NEOs LTO6 SAS add-on drive	Qty. 1	(for library part # OV-NEO400s6SA)	OV-NEOsAD6FC	NEOs LTO6 FC add-on drive	Qty. 1	(for library part # OV-NEO400s6FC)	OV-NEOsAD5SA	NEOs LTO5 SAS add-on drive	Qty. 1	(for library part # OV-NEO400s5SA)	OV-NEOsAD5FC	NEOs LTO5 FC add-on drive	Qty. 1	(for library part # OV-NEO400s5FC)	OV-NEOsAD4SA	NEOs LTO4 SAS add-on drive	Qty. 1	(for library part # OV-NEO400s4SA)	OV-NEOsAD4FC	NEOs LTO4 FC add-on drive	Qty. 1	(for library part # OV-NEO400s4FC)	OV-LTO901605	LTO6 data cartridge (labeled/random/box of 5)	Qty. 10	OV-LTO901620	LTO6 data cartridge (unlabeled/box of 20)	Qty. 3	OV-LTOBCL620	LTO6 data cartridge (labeled/custom/box of 20)	Qty. 3	OV-LTO901505	LTO5 data cartridge (labeled/random/box of 5)	Qty. 10	OV-LTO901520	LTO5 data cartridge (unlabeled/box of 20)	Qty. 3	OV-LTOBCL520	LTO5 data cartridge (labeled/custom/box of 20)	Qty. 3	OV-LTO901405	LTO4 data cartridge (labeled/random/box of 5)	Qty. 10	OV-LTO901420	LTO4 data cartridge (unlabeled/box of 20)	Qty. 3	OV-LTOBCL420	LTO4 data cartridge (labeled/custom/box of 20)	Qty. 3	OV-LTO901999	LTO Cleaning Cartridge (box of 1)	Qty. 1	OV-LTOCLN05	LTO Cleaning Cartridge (box of 5)	Qty. 1	OV-LTOCLN20	LTO Cleaning Cartridge (box of 20)	Qty. 1	OV-LTO901012	LTO6 barcode labels (100 data; 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Step 3	<p>Recommend additional warranty coverage <i>(standard warranty is OverlandCare Level 1: one year advanced replacement of parts):</i></p> <p>Upgrade to additional years of OverlandCare advanced parts replacement</p> <p>EWCAREL1R-N400s OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 1-Yr, 400s</p> <p>EWCAREL1U-N400s OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 3-Yr, 400s</p> <p>Upgrade to OverlandCare onsite coverage</p> <p>EWCAREL2R-N400s OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Uplift, 400s</p> <p>EWCAREL2U-N400s OverlandCare Level 2 (24x7 Phone/NBD Onsite), 3-Yr Uplift, 400s</p> <p>EWCAREL3R-N400s OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, 400s</p> <p>EWCAREL3U-N400s OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, 400s</p> <p>EWCAREL4R-N400s OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, 400s</p> <p>EWCAREL4U-N400s OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, 400s</p> <p>Extend your OverlandCare onsite coverage</p> <p>EWCAREL1E-N400s OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 1-Yr Extension, 400s</p> <p>EWCAREL2E-N400s OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Extension, 400s</p> <p>EWCAREL3E-N400s OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, 400s</p> <p>EWCAREL4E-N400s OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, 400s</p> <p>Add installation services</p> <p>INSTALL1-NS2/4 NEO 200s/400s OverlandCare Level 1 Installation</p> <p>INSTALL2-NS2/4 NEO 200s/400s OverlandCare Level 2 Installation</p>
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NEO® Series

5 NEO 2000e

<p>GENERAL GUIDLINE</p> <p>If your customer:</p>	<ul style="list-style-type: none"> • Needs 30 – 150TB of backup/archive capacity • Has a SAS or FC environment • Is concerned about the speed of data transfer • Expects significant changes in data storage requirements over the next 2 years • Is concerned about data availability 																										
<p>Step 1</p>	<p>Recommend NEO 2000e (includes US power cord, barcode labels & documentation)</p> <table border="0"> <tr> <td data-bbox="329 621 581 674">OV-NEO2ke1LTO6SA</td> <td data-bbox="589 621 971 674">NEO 2000e, 1xLTO6 SAS (6Gb/SFF8088 mini-SAS)</td> <td data-bbox="995 621 1537 674">75TB – 188TB capacity (per module) 576-1152 GB/hr. transfer rate (per module)</td> </tr> <tr> <td data-bbox="329 716 581 768">OV-NEO2ke1LTO6FC</td> <td data-bbox="589 716 971 768">NEO 2000e, 1xLTO6 FC (8Gb/LC optical)</td> <td data-bbox="995 716 1537 768">75TB – 188TB capacity (per module) 576-1152 GB/hr. transfer rate (per module)</td> </tr> <tr> <td data-bbox="329 810 581 863">OV-LXE101613</td> <td data-bbox="589 810 971 863">NEO 2000e, 1xLTO5 SAS (6Gb/SFF8088 mini-SAS)</td> <td data-bbox="995 810 1537 863">45TB – 90TB capacity (per module) 504-1008 GB/hr. transfer rate (per module)</td> </tr> <tr> <td data-bbox="329 905 581 957">OV-LXE101614</td> <td data-bbox="589 905 971 957">NEO 2000e, 1xLTO5 FC (8Gb/LC optical)</td> <td data-bbox="995 905 1537 957">45TB – 90TB capacity (per module) 504-1008 GB/hr. transfer rate (per module)</td> </tr> </table> <p>If your customer is particularly concerned about data transfer speed or tape drive redundancy, recommend the following dual-drive configurations:</p> <table border="0"> <tr> <td data-bbox="329 1104 581 1157">OV-NEO2ke2LTO6SA</td> <td data-bbox="589 1104 971 1157">NEO 2000e, 2xLTO6 SAS (6Gb/SFF8088 mini-SAS)</td> <td data-bbox="995 1104 1537 1157">75TB – 188TB capacity (per module) 1.2 – 2.9TB/hr. transfer rate (per module)</td> </tr> <tr> <td data-bbox="329 1199 581 1251">OV-NEO2ke2LTO6FC</td> <td data-bbox="589 1199 971 1251">NEO 2000e, 2xLTO6 FC (8Gb/LC optical)</td> <td data-bbox="995 1199 1537 1251">75TB – 188TB capacity (per module) 1.2 – 2.9TB/hr. transfer rate (per module)</td> </tr> <tr> <td data-bbox="329 1293 581 1346">OV-LXE101615</td> <td data-bbox="589 1293 971 1346">NEO 2000e, 2xLTO5 SAS (6Gb/SFF8088 mini-SAS)</td> <td data-bbox="995 1293 1537 1346">45TB – 90TB capacity (per module) 1-2TB/hr. transfer rate (per module)</td> </tr> <tr> <td data-bbox="329 1388 581 1440">OV-LXE101616</td> <td data-bbox="589 1388 971 1440">NEO 2000e, 2xLTO5 FC (8Gb/LC optical)</td> <td data-bbox="995 1388 1537 1440">45TB – 90TB capacity (per module) 1-2TB/hr. transfer rate (per module)</td> </tr> </table>			OV-NEO2ke1LTO6SA	NEO 2000e, 1xLTO6 SAS (6Gb/SFF8088 mini-SAS)	75TB – 188TB capacity (per module) 576-1152 GB/hr. transfer rate (per module)	OV-NEO2ke1LTO6FC	NEO 2000e, 1xLTO6 FC (8Gb/LC optical)	75TB – 188TB capacity (per module) 576-1152 GB/hr. transfer rate (per module)	OV-LXE101613	NEO 2000e, 1xLTO5 SAS (6Gb/SFF8088 mini-SAS)	45TB – 90TB capacity (per module) 504-1008 GB/hr. transfer rate (per module)	OV-LXE101614	NEO 2000e, 1xLTO5 FC (8Gb/LC optical)	45TB – 90TB capacity (per module) 504-1008 GB/hr. transfer rate (per module)	OV-NEO2ke2LTO6SA	NEO 2000e, 2xLTO6 SAS (6Gb/SFF8088 mini-SAS)	75TB – 188TB capacity (per module) 1.2 – 2.9TB/hr. transfer rate (per module)	OV-NEO2ke2LTO6FC	NEO 2000e, 2xLTO6 FC (8Gb/LC optical)	75TB – 188TB capacity (per module) 1.2 – 2.9TB/hr. transfer rate (per module)	OV-LXE101615	NEO 2000e, 2xLTO5 SAS (6Gb/SFF8088 mini-SAS)	45TB – 90TB capacity (per module) 1-2TB/hr. transfer rate (per module)	OV-LXE101616	NEO 2000e, 2xLTO5 FC (8Gb/LC optical)	45TB – 90TB capacity (per module) 1-2TB/hr. transfer rate (per module)
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OV-LXE101616	NEO 2000e, 2xLTO5 FC (8Gb/LC optical)	45TB – 90TB capacity (per module) 1-2TB/hr. transfer rate (per module)																									

NEO® Series

Step 2	<p>Recommend the following options:</p> <p>If your customer has a single-drive NEO 2000e library, an additional tape drive can provide increased performance & redundancy. Additionally, if your customer has a dual-drive NEO 2000e library, it's always a good idea to have add-on drives available as a spare.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">OV-NEO2keAD6SA</td> <td>NEO2000e LTO6 SAS add-on drive</td> <td></td> </tr> <tr> <td>OV-NEO2keAD6FC</td> <td>NEO2000e LTO6 FC add-on drive</td> <td></td> </tr> <tr> <td>OV-NEO2keAD5SA</td> <td>NEO2000e LTO5 SAS add-on drive</td> <td></td> </tr> <tr> <td>OV-NEO2keAD5FC</td> <td>NEO2000e LTO5 FC add-on drive</td> <td></td> </tr> </table> <p>LTO data cartridges</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">OV-LTO901605</td> <td>LTO6 data cartridge (labeled/random/box of 5)</td> <td style="text-align: right;">Qty. 6</td> </tr> <tr> <td>OV-LTO901620</td> <td>LTO6 data cartridge (unlabeled/box of 20)</td> <td style="text-align: right;">Qty. 2</td> </tr> <tr> <td>OV-LTOBCL620</td> <td>LTO6 data cartridge (labeled/custom/box of 20)</td> <td style="text-align: right;">Qty. 2</td> </tr> <tr> <td>OV-LTO901505</td> <td>LTO5 data cartridge (labeled/random/box of 5)</td> <td style="text-align: right;">Qty. 6</td> </tr> <tr> <td>OV-LTO901520</td> <td>LTO5 data cartridge (unlabeled/box of 20)</td> <td style="text-align: right;">Qty. 2</td> </tr> <tr> <td>OV-LTOBCL520</td> <td>LTO5 data cartridge (labeled/custom/box of 20)</td> <td style="text-align: right;">Qty. 2</td> </tr> <tr> <td>OV-LTO901999</td> <td>LTO Cleaning Cartridge (box of 1)</td> <td style="text-align: right;">Qty. 1</td> </tr> <tr> <td>OV-LTOCLN05</td> <td>LTO Cleaning Cartridge (box of 5)</td> <td style="text-align: right;">Qty. 1</td> </tr> <tr> <td>OV-LTOCLN20</td> <td>LTO Cleaning Cartridge (box of 20)</td> <td style="text-align: right;">Qty. 1</td> </tr> <tr> <td>OV-LTO901012</td> <td>LTO6 barcode labels (100 data; 10 cleaning)</td> <td style="text-align: right;">Qty. 1</td> </tr> <tr> <td>OV-LTO901011</td> <td>LTO5 barcode labels (100 data; 10 cleaning)</td> <td style="text-align: right;">Qty. 1</td> </tr> </table> <p>SAS connectivity kit to facilitate SAS connection between backup server & library</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">OV-SAS901711</td> <td>LTO SAS connectivity kit (includes LSI 9200-8e SAS HBA & 1x4 SFF8088 3m SAS cable)</td> <td></td> </tr> </table> <p>Partitioning option for increased efficiency & multi-tasking capability</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">OV-LXN901104</td> <td>NEOe Partitioning Upgrade</td> <td></td> </tr> </table> <p>Additional 15-slot magazines to facilitate media loading/unloading & offline storage</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">OV-LXN901003</td> <td>NEOe left-side magazine (w/maillslot)</td> <td style="text-align: right;">Qty. 1</td> </tr> <tr> <td>OV-LXN901004</td> <td>NEOe right-side magazine</td> <td style="text-align: right;">Qty. 1</td> </tr> </table>	OV-NEO2keAD6SA	NEO2000e LTO6 SAS add-on drive		OV-NEO2keAD6FC	NEO2000e LTO6 FC add-on drive		OV-NEO2keAD5SA	NEO2000e LTO5 SAS add-on drive		OV-NEO2keAD5FC	NEO2000e LTO5 FC add-on drive		OV-LTO901605	LTO6 data cartridge (labeled/random/box of 5)	Qty. 6	OV-LTO901620	LTO6 data cartridge (unlabeled/box of 20)	Qty. 2	OV-LTOBCL620	LTO6 data cartridge (labeled/custom/box of 20)	Qty. 2	OV-LTO901505	LTO5 data cartridge (labeled/random/box of 5)	Qty. 6	OV-LTO901520	LTO5 data cartridge (unlabeled/box of 20)	Qty. 2	OV-LTOBCL520	LTO5 data cartridge (labeled/custom/box of 20)	Qty. 2	OV-LTO901999	LTO Cleaning Cartridge (box of 1)	Qty. 1	OV-LTOCLN05	LTO Cleaning Cartridge (box of 5)	Qty. 1	OV-LTOCLN20	LTO Cleaning Cartridge (box of 20)	Qty. 1	OV-LTO901012	LTO6 barcode labels (100 data; 10 cleaning)	Qty. 1	OV-LTO901011	LTO5 barcode labels (100 data; 10 cleaning)	Qty. 1	OV-SAS901711	LTO SAS connectivity kit (includes LSI 9200-8e SAS HBA & 1x4 SFF8088 3m SAS cable)		OV-LXN901104	NEOe Partitioning Upgrade		OV-LXN901003	NEOe left-side magazine (w/maillslot)	Qty. 1	OV-LXN901004	NEOe right-side magazine	Qty. 1
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Step 3	<p>Recommend additional warranty coverage (<i>standard warranty is OverlandCare Level 1: one year advanced parts replacement</i>):</p> <p>Upgrade to additional years of OverlandCare advanced parts replacement</p> <p>EWCAREL1R-NE2E OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 1-Yr Uplift, 2000e EWCAREL1U-NE2E OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 3-Yr Uplift, 2000e</p> <p>Upgrade to OverlandCare onsite coverage</p> <p>EWCAREL2R-NE2E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Uplift, 2000e EWCAREL2U-NE2E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 3-Yr Uplift, 2000e EWCAREL3R-NE2E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, 2000e EWCAREL3U-NE2E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, 2000e EWCAREL4R-NE2E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, 2000e EWCAREL4U-NE2E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, 2000e</p> <p>Extend your OverlandCare onsite coverage</p> <p>EWCAREL1E-NE2E OverlandCare Level 1 (24x7 Phone/Adv. Parts Replace), 1-Yr Extension, 2000e EWCAREL2E-NE2E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Extension, 2000e EWCAREL3E-NE2E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, 2000e EWCAREL4E-NE2E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, 2000e</p> <p>Add installation services</p> <p>INSTALL1-N2 NEO 2000e OverlandCare Level 1 Installation INSTALL2-N2 NEO 2000e OverlandCare Level 2 Installation INSTALLOP-DRV NEOe Add-On Drive OverlandCare Installation (2nd drive in a 1-drive configuration)</p>
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NEO® Series

6 NEO 4000e

<p>GENERAL GUIDLINE</p> <p>If your customer:</p>	<ul style="list-style-type: none"> Needs 90 – 300TB of backup/archive capacity Primarily has a FC environment, but may have additional requirements for SAS devices Is concerned about backup/archive performance rates Is concerned about high data availability Expects significant changes in data storage requirements over the next 2 years 																																							
<p>Step 1</p>	<p>Recommend NEO 4000e (includes US power cord, barcode labels & documentation)</p> <p>OV-LXN101608 NEO 4000e, 60 slots, 0-drives 90 – 300TB capacity (per module) <i>(NEO 4000e sold as a 0-drive library. Requires tape drives outlined below. Supports 6Gb/SFF8088 mini-SAS & 8Gb LC optical connectivity)</i></p>																																							
<p>Step 2</p>	<p>Recommend the following options:</p> <p>LTO tape drives for high data transfer performance & redundancy OV-NEO4k8keAD6SA NEO 4000e LTO6 SAS add-on drive OV-NEO4k8keAD6FC NEO 4000e LTO6 FC add-on drive OV-NEO4k8keAD5SA NEO 4000e LTO5 SAS add-on drive OV-NEO4k8keAD5FC NEO 4000e LTO5 FC add-on drive</p> <p><i>NOTE: NEO 4000e 60-slot libraries may be configured with a maximum of 4 tape drives per module.</i></p> <p>LTO data cartridges</p> <table border="0"> <tr> <td>OV-LTO901605</td> <td>LTO6 data cartridge (labeled/random/box of 5)</td> <td>Qty. 12</td> </tr> <tr> <td>OV-LTO901620</td> <td>LTO6 data cartridge (unlabeled/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTOBCL620</td> <td>LTO6 data cartridge (labeled/custom/box of 20)</td> <td>Qty. 12</td> </tr> <tr> <td>OV-LTO901505</td> <td>LTO5 data cartridge (labeled/random/box of 5)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTO901520</td> <td>LTO5 data cartridge (unlabeled/box of 20)</td> <td>Qty. 12</td> </tr> <tr> <td>OV-LTOBCL520</td> <td>LTO5 data cartridge (labeled/custom/box of 20)</td> <td>Qty. 3</td> </tr> <tr> <td>OV-LTO901999</td> <td>LTO Cleaning Cartridge (box of 1)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTOCLN05</td> <td>LTO Cleaning Cartridge (box of 5)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTOCLN20</td> <td>LTO Cleaning Cartridge (box of 20)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTO901012</td> <td>LTO6 barcode labels (100 data; 10 cleaning)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTO901011</td> <td>LTO5 barcode labels (100 data; 10 cleaning)</td> <td>Qty. 1</td> </tr> </table> <p>Partitioning option for increased efficiency & multi-tasking capability OV-LXN901104 NEOe Partitioning Upgrade</p> <p>Additional 15-slot magazines to facilitate media loading/unloading & offline storage</p> <table border="0"> <tr> <td>OV-LXN901003</td> <td>NEOe left-side magazine (w/mailslot)</td> <td>Qty. 2</td> </tr> <tr> <td>OV-LXN901004</td> <td>NEOe right-side magazine</td> <td>Qty. 2</td> </tr> </table> <p>SAS connectivity kit to facilitate SAS connection between backup server & library OV-SAS901711 LTO SAS connectivity kit (includes LSI 9200-8e SAS HBA & 1x4 SFF8088 3m SAS cable)</p>	OV-LTO901605	LTO6 data cartridge (labeled/random/box of 5)	Qty. 12	OV-LTO901620	LTO6 data cartridge (unlabeled/box of 20)	Qty. 3	OV-LTOBCL620	LTO6 data cartridge (labeled/custom/box of 20)	Qty. 12	OV-LTO901505	LTO5 data cartridge (labeled/random/box of 5)	Qty. 3	OV-LTO901520	LTO5 data cartridge (unlabeled/box of 20)	Qty. 12	OV-LTOBCL520	LTO5 data cartridge (labeled/custom/box of 20)	Qty. 3	OV-LTO901999	LTO Cleaning Cartridge (box of 1)	Qty. 1	OV-LTOCLN05	LTO Cleaning Cartridge (box of 5)	Qty. 1	OV-LTOCLN20	LTO Cleaning Cartridge (box of 20)	Qty. 1	OV-LTO901012	LTO6 barcode labels (100 data; 10 cleaning)	Qty. 1	OV-LTO901011	LTO5 barcode labels (100 data; 10 cleaning)	Qty. 1	OV-LXN901003	NEOe left-side magazine (w/mailslot)	Qty. 2	OV-LXN901004	NEOe right-side magazine	Qty. 2
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NEO® Series

Step 3	<p>Recommend additional warranty coverage <i>(standard warranty is OverlandCare Level 2: one year, next business day onsite)</i></p> <p>Upgrade to additional years of OverlandCare onsite coverage</p> <p>EWCAREL2R-NE4E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Uplift, 4000e EWCAREL2U-NE4E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 3-Yr Uplift, 4000e</p> <p>Upgrade to expanded OverlandCare onsite coverage</p> <p>EWCAREL3R-NE4E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, 4000e EWCAREL3U-NE4E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, 4000e EWCAREL4R-NE4E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, 4000e EWCAREL4U-NE4E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, 4000e</p> <p>Extend your OverlandCare onsite coverage</p> <p>EWCAREL2E-NE4E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Extension, 4000e EWCAREL3E-NE4E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, 4000e EWCAREL4E-NE4E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, 4000e</p> <p>Add installation services</p> <p>INSTALL2-N4 NEO 4000e OverlandCare Level 2 Installation INSTALLOP-DRV NEOe Add-On Drive OverlandCare Installation (1st drive) INSTALLOP-DVX NEOe Add-On Drive OverlandCare Installation (drives 2-4)</p>
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NEO® Series

7 NEO 8000e

<p>GENERAL GUIDLINE</p> <p>If your customer:</p>	<ul style="list-style-type: none"> Needs >200TB of backup/archive capacity Has a large enterprise-class data center with a FC infrastructure Concerned about RAS capabilities (reliability, data availability, serviceability) Needs to be able to accommodate significant growth in data storage Is concerned about long-term cost of ownership/maintenance 																																	
<p>Step 1</p>	<p>Recommend NEO 8000e (includes US power cord, serial cable & documentation)</p> <p>OV-LXE101622 NEO 8000e, 100 slots, 0-drives 150TB – 3.1PB capacity (per module) <i>(NEO 8000e sold as a 0-drive library. Requires tape drives outlined below. Supports 8Gb LC optical & 6Gb/SFF8088 mini-SAS connectivity)</i></p>																																	
<p>Step 2</p>	<p>Recommend the following options:</p> <p>Additional data cartridge slots for increased storage capacity</p> <p>OV-LXN901058 NEO 8000e capacity increase, 80-slot <i>Qty. 1 for a total capacity of 180 slots Qty. 2 for a total capacity of 260 slot Qty. 3 for a total capacity of 340 slots Qty. 4 for a total capacity of 420 slots Qty. 5 for a total capacity of 500 slots</i></p> <p>LTO tape drives for high data transfer performance & redundancy</p> <p>OV-NEO4k8keAD6SA NEO 8000e LTO6 SAS add-on drive OV-NEO4k8keAD6FC NEO 8000e LTO6 FC add-on drive OV-NEO4k8keAD5SA NEO 8000e LTO5 SAS add-on drive OV-NEO4k8keAD5FC NEO 8000e LTO5 FC add-on drive <i>NOTE: NEO 8000e 60 libraries may be configured with a maximum of 12 tape drives per module.</i></p> <p>LTO data cartridges</p> <table border="0"> <tr> <td>OV-LTO901605</td> <td>LTO6 data cartridge (labeled/random/box of 5)</td> <td>Qty. 20-100</td> </tr> <tr> <td>OV-LTO901620</td> <td>LTO6 data cartridge (unlabeled/box of 20)</td> <td>Qty. 5-25</td> </tr> <tr> <td>OV-LTOBCL620</td> <td>LTO6 data cartridge (labeled/custom/box of 20)</td> <td>Qty. 5-25</td> </tr> <tr> <td>OV-LTO901505</td> <td>LTO5 data cartridge (labeled/random/box of 5)</td> <td>Qty. 20-100</td> </tr> <tr> <td>OV-LTO901520</td> <td>LTO5 data cartridge (unlabeled/box of 20)</td> <td>Qty. 5-25</td> </tr> <tr> <td>OV-LTOBCL520</td> <td>LTO5 data cartridge (labeled/custom/box of 20)</td> <td>Qty. 5-25</td> </tr> <tr> <td>OV-LTO901999</td> <td>LTO Cleaning Cartridge (box of 1)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTOCLN05</td> <td>LTO Cleaning Cartridge (box of 5)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTOCLN20</td> <td>LTO Cleaning Cartridge (box of 20)</td> <td>Qty. 1</td> </tr> <tr> <td>OV-LTO901012</td> <td>LTO6 barcode labels (100 data; 10 cleaning)</td> <td>Qty. 1-5</td> </tr> <tr> <td>OV-LTO901011</td> <td>LTO5 barcode labels (100 data; 10 cleaning)</td> <td>Qty. 1-5</td> </tr> </table> <p>Additional mailslot magazine to facilitate media loading/unloading and offline storage</p> <p>OV-LXN901065 NEO 8000e mailslot magazine Qty. 1 (min.)</p> <p>Redundant power supply for increased data availability</p> <p>OV-LXN901055 NEO 8000e additional power supply module Qty. 1 (min.) <i>NOTE: NEO 8000e includes two power supply modules. If you are only utilizing 6 tape drives, you have the power required for primary power provisions as well as redundant capability. If you are utilizing 7-12 tape drives, this part number is required (which supplies both primary & redundant power.)</i></p> <p>Rear door for increased security and environmental protection</p> <p>OV-LXN901112 NEO 8000e rear door kit</p>	OV-LTO901605	LTO6 data cartridge (labeled/random/box of 5)	Qty. 20-100	OV-LTO901620	LTO6 data cartridge (unlabeled/box of 20)	Qty. 5-25	OV-LTOBCL620	LTO6 data cartridge (labeled/custom/box of 20)	Qty. 5-25	OV-LTO901505	LTO5 data cartridge (labeled/random/box of 5)	Qty. 20-100	OV-LTO901520	LTO5 data cartridge (unlabeled/box of 20)	Qty. 5-25	OV-LTOBCL520	LTO5 data cartridge (labeled/custom/box of 20)	Qty. 5-25	OV-LTO901999	LTO Cleaning Cartridge (box of 1)	Qty. 1	OV-LTOCLN05	LTO Cleaning Cartridge (box of 5)	Qty. 1	OV-LTOCLN20	LTO Cleaning Cartridge (box of 20)	Qty. 1	OV-LTO901012	LTO6 barcode labels (100 data; 10 cleaning)	Qty. 1-5	OV-LTO901011	LTO5 barcode labels (100 data; 10 cleaning)	Qty. 1-5
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NEO® Series

Step 3	Recommend additional warranty coverage <i>(standard warranty is OverlandCare Level 2: one year, next business day onsite)</i>
	Upgrade to additional years of OverlandCare onsite coverage
	EWCAREL2R-NE8E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Uplift, 8000e
	EWCAREL2U-NE8E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 3-Yr Uplift, 8000e
	Upgrade to OverlandCare onsite coverage
	EWCAREL3R-NE8E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Uplift, 8000e
	EWCAREL3U-NE8E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 3-Yr Uplift, 8000e
	EWCAREL4R-NE8E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Uplift, 8000e
	EWCAREL4U-NE8E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 3-Yr Uplift, 8000e
	Extend your OverlandCare onsite coverage
	EWCAREL2E-NE8E OverlandCare Level 2 (24x7 Phone/NBD Onsite), 1-Yr Extension, 8000e
	EWCAREL3E-NE8E OverlandCare Level 3 (24x7 Phone/9x5x4-Hr Onsite), 1-Yr Extension, 8000e
	EWCAREL4E-NE8E OverlandCare Level 4 (24x7 Phone/24x7x4-Hr Onsite), 1-Yr Extension, 8000e
Add installation services	
INSTALL2-N8 NEO 8000e OverlandCare Level 2 Installation	
INSTALLOP-DRV NEOe Add-On Drive OverlandCare Installation (1 st drive)	
INSTALLOP-DVX NEOe Add-On Drive OverlandCare Installation (drives 2-12)	

8 Expanding NEOe libraries

End users prefer NEOe libraries because they provide virtually limitless flexibility that allows users to effortlessly and efficiently add capacity and performance to their NEOe library as data storage needs change. The end result is increased capability while protecting the initial tape library investment.

For NEO 2000e customers that wish to expand

If the customer has **30 slots/2 drives** and wishes to **add another 30 slots/2 tape drives**:

OV-LXN101601	NEO 2000e 0-drive chassis	Qty. 1
OV-LXN901012	NEOe 10u expansion kit (primary)	Qty. 1
	Plus the desired number of additional NEOe LTO add-on tape drives	Qty. 2 (max)
Plus INSTALL2-N2C	Upgrade Installation NEO 2000e Expansion	Qty. 1
Plus INSTALOP-DRV	for the 1 st tape drive you want installed	Qty. 1 (max)
Plus INSTALOP-DVX	for each additional tape drive you want installed	Qty. 1 (max)
	Plus the appropriate warranty uplift and options for the secondary library/drives	

If the customer has **30 slots/2 drives** and wishes to **add another 60 slots/4 tape drives**:

OV-LXN101608	NEO 4000e 0-drive chassis	Qty. 1
OV-LXN901012	NEOe 10u expansion kit (primary)	Qty. 1
OV-LXN901013	NEOe 5u expansion kit (extension)	Qty. 1
	Plus the desired number of additional NEOe LTO add-on tape drives	Qty. 4 (max)
Plus INSTALL2-N4C	Upgrade Installation NEO 4000e Expansion	Qty. 1
Plus INSTALOP-DRV	for the 1 st tape drive you want installed	Qty. 1 (max)
Plus INSTALOP-DVX	for each additional tape drive you want installed	Qty. 3 (max)
	Plus the appropriate warranty uplift and options for the secondary library/drives	

If the customer has **30 slots/2 drives** and wishes to **add another 90 slots/up to 6 tape drives**:

OV-LXN101608	NEO 4000e 0-drive chassis	Qty. 1
OV-LXN101601	NEO 2000e 0-drive chassis	Qty. 1
OV-LXN901051	NEOe 20u expansion kit (primary)	Qty. 1
	Plus the desired number of additional NEOe LTO add-on tape drives	Qty. 6 (max)
Plus INSTALL2-N2C	Upgrade Installation NEO 2000e Expansion	Qty. 1
Plus INSTALL2-N4C	Upgrade Installation NEO 4000e Expansion	Qty. 1
Plus INSTALOP-DRV	for the 1 st tape drive you want installed	Qty. 2 (max)
Plus INSTALOP-DVX	for each additional tape drive you want installed	Qty. 4 (max)
	Plus the appropriate warranty uplift and options for the secondary library/drives	

NOTE: The NEO 2000e expansion capability provides a variety of different expansion possibilities. For more details, contact your Overland Storage Sales Representative.

NEO® Series

For NEO 4000e customers that wish to expand

Recommend the NEO 4000e expansion options

If the customer has **60 slots/4 drives** and wishes to **add another 30 slots/2 tape drives**:

OV-LXN101601	NEO 2000e 0-drive chassis	Qty. 1
OV-LXN901012	NEOe 10u expansion kit (primary)	Qty. 1
OV-LXN901013	NEOe 5u expansion kit (extension)	Qty. 1
	Plus the desired number of additional NEOe LTO add-on tape drives	Qty. 2 (max)
Plus INSTALL2-N2C	Upgrade Installation NEO 2000e Expansion	Qty. 1
Plus INSTALOP-DRV	for the 1 st tape drive you want installed	Qty. 1 (max)
Plus INSTALOP-DVX	for each additional tape drive you want installed	Qty. 1 (max)
	Plus the appropriate warranty uplift and options for the secondary library/drives	

If the customer has **60 slots/4 drives** and wishes to **add another 60 slots/4 tape drives**:

OV-LXN101608	NEO 4000e 0-drive chassis	Qty. 1
OV-LXN901051	NEOe 20u expansion kit (primary)	Qty. 1
	Plus the desired number of additional NEOe LTO add-on tape drives	Qty. 4 (max)
Plus INSTALL2-N4C	Upgrade Installation NEO 4000e Expansion	Qty. 1
Plus INSTALOP-DRV	for the 1 st tape drive you want installed	Qty. 1 (max)
Plus INSTALOP-DVX	for each additional tape drive you want installed	Qty. 3 (max)
	Plus the appropriate warranty uplift and options for the secondary library/drives	

If the customer has **60 slots/4 drives** and wishes to **add another 90 slots/up to 6 tape drives**:

OV-LXN101608	NEO 4000e 0-drive chassis	Qty. 1
OV-LXN101601	NEO 2000e 0-drive chassis	Qty. 1
OV-LXN901051	NEOe 20u expansion kit (primary)	Qty. 1
OV-LXN901013	NEOe 5u expansion kit (extension)	Qty. 1
	Plus the desired number of additional NEOe LTO add-on tape drives	Qty. 1 (min); Qty. 6 (max)
Plus INSTALL2-N2C	Upgrade Installation NEO 2000e Expansion	Qty. 1
Plus INSTALL2-N4C	Upgrade Installation NEO 4000e Expansion	Qty. 1
Plus INSTALOP-DRV	for the 1 st tape drive you want installed	Qty. 2 (max.)
Plus INSTALOP-DVX	for each additional tape drive you want installed	Qty. 4 (max.)

NOTE: The NEO 4000e expansion capability provides a variety of different expansion possibilities. For more details, contact your Overland Storage Sales Representative.

NEO® Series

For NEO 8000e customers that wish to expand

Recommend the NEO 8000e expansion options

If the customer has <u>500 slots</u> and wishes to <u>add another 100 slots & up to 12 tape drives:</u>		
OV-LXE101622	NEO 8000e, 0-drive, 100 slot	Qty. 1
OV-LXN101546	NEO 8000e Expansion Kit	Qty. 1
INSTALL2-N8	NEO 8000e Level 2 Installation	Qty. 1
Plus the desired number of additional NEOe LTO add-on tape drives		Qty. 1 (min); Qty. 12 (max)
INSTALOP-DRV for the 1 st tape drive you want installed		Qty. 1 (max)
INSTALOP-DVX for each additional tape drive you want installed		Qty. 11 (max)
If the customer has <u>500 slots</u> and wishes to <u>add another 180 slots & up to 12 tape drives:</u>		
OV-LXE101622	NEO 8000e, 0-drive, 100 slot	Qty. 1
OV-LXN101546	NEO 8000e Expansion Kit	Qty. 1
OV-LXN901058	NEO 8000e capacity increase (80 slot)	Qty. 1
INSTALL2-N8	NEO 8000e Level 2 Installation	Qty. 1
Plus the desired number of additional NEOe LTO add-on tape drives		Qty. 1 (min); Qty. 12 (max)
INSTALOP-DRV for the 1 st tape drive you want installed		Qty. 1 (max)
INSTALOP-DVX for each additional tape drive you want installed		Qty. 11 (max)
If the customer has <u>500 slots</u> and wishes to <u>add another 260 slots & up to 12 tape drives:</u>		
OV-LXE101622	NEO 8000e, 0-drive, 100 slot	Qty. 1
OV-LXN101546	NEO 8000e Expansion Kit	Qty. 1
OV-LXN901058	NEO 8000e capacity increase (80 slot)	Qty. 2
INSTALL2-N8	NEO 8000e Level 2 Installation	Qty. 1
Plus the desired number of additional NEOe LTO add-on tape drives		Qty. 1 (min); Qty. 12 (max)
INSTALOP-DRV for the 1 st tape drive you want installed		Qty. 1 (max)
INSTALOP-DVX for each additional tape drive you want installed		Qty. 11 (max)
If the customer has <u>500 slots</u> and wishes to <u>add another 340 slots & up to 12 tape drives:</u>		
OV-LXE101622	NEO 8000e, 0-drive, 100 slot	Qty. 1
OV-LXN101546	NEO 8000e Expansion Kit	Qty. 1
OV-LXN901058	NEO 8000e capacity increase (80 slot)	Qty. 3
INSTALL2-N8	NEO 8000e Level 2 Installation	Qty. 1
Plus the desired number of additional NEOe LTO add-on tape drives		Qty. 1 (min); Qty. 12 (max)
INSTALOP-DRV for the 1 st tape drive you want installed		Qty. 1 (max)
INSTALOP-DVX for each additional tape drive you want installed		Qty. 11 (max)
If the customer has <u>500 slots</u> and wishes to <u>add another 420 slots & up to 12 tape drives:</u>		
OV-LXE101622	NEO 8000e, 0-drive, 100 slot	Qty. 1
OV-LXN101546	NEO 8000e Expansion Kit	Qty. 1
OV-LXN901058	NEO 8000e capacity increase (80 slot)	Qty. 4
INSTALL2-N8	NEO 8000e Level 2 Installation	Qty. 1
Plus the desired number of additional NEOe LTO add-on tape drives		Qty. 1 (min); Qty. 12 (max)
INSTALOP-DRV for the 1 st tape drive you want installed		Qty. 1 (max)
INSTALOP-DVX for each additional tape drive you want installed		Qty. 11 (max)

NEO® Series

For NEO 8000e customers that wish to expand

Recommend the NEO 8000e expansion options	If the customer has 500 slots and wishes to add another 500 slots & up to 12 tape drives:		
	OV-LXE101622	NEO 8000e, 0-drive, 100 slot	Qty. 1
	OV-LXN101546	NEO 8000e Expansion Kit	Qty. 1
	OV-LXN901058	NEO 8000e capacity increase (80 slot)	Qty. 5
	INSTALL2-N8	NEO 8000e Level 2 Installation	Qty. 1
	Plus the desired number of additional NEOe LTO add-on tape drives		Qty. 1 (min); Qty. 12 (max)
	INSTALOP-DRV for the 1 st tape drive you want installed		Qty. 1 (max)
INSTALOP-DVX for each additional tape drive you want installed		Qty. 11 (max)	

NOTE: Like the primary module, the add-on NEO 8000e module includes two power supply modules. If you are only utilizing 6 tape drives in the secondary library module, you have the power required for primary power provisions as well as redundant capability. If you are utilizing 7-12 tape drives in the secondary library module, the NEO 8000 redundant power option (part # OV-LXN901055) is required (which supplies both primary & redundant power.)

NOTES:

About Overland Storage

Overland Storage is the trusted global provider of effortless data management and data protection solutions across the data lifecycle. By providing an integrated range of technologies and services for primary, nearline, offline, archival, and cloud data storage, Overland makes it easy and cost effective to manage different tiers of information over time. Whether distributed data is across-the-hall or across-the-globe, Overland enables companies to focus on building their business instead of worrying about data growth.

Overland SnapSAN™, SnapServer®, NEO® and REO® solutions are available through a select network of value added resellers and system integrators. For more information, visit www.overlandstorage.com

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