

site survey

hp StorageWorks ESL9000 series tape library pre-installation site survey

Sixth Edition (April 2003)

Part Number: 243494-006

This document aides in advanced planning before installing an HP StorageWorks ESL9000 Series tape library.



i n v e n t

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about this guide

This site survey provides information to help you:

- Note site, contact, and host information.
- Understand physical requirements for receiving the library.
- Understand installation route requirements.
- Understand installation requirements.
- Note any unusual conditions at the installation site.
- Note potential contingency plans.
- Determine site status.

Getting Help

If you still have a question after reading this survey, contact an HP authorized service provider or access our website: <http://www.hp.com>.

HP Technical Support

In North America, call technical support at 1-800-652-6672, available 24 hours a day, 7 days a week.

Note: For continuous quality improvement, calls may be recorded or monitored.

Outside North America, call technical support at the nearest location. Telephone numbers for worldwide technical support are listed on the HP website under support: <http://thenew.hp.com/country/us/eng/support.html>.

Be sure to have the following information available before calling:

- Technical support registration number (if applicable)
- Product serial numbers
- Product model names and numbers
- Applicable error messages
- Operating system type and revision level
- Detailed, specific questions

HP Storage Website

The HP website has the latest information on this product, as well as the latest drivers. Access storage at: <http://thenew.hp.com/country/us/eng/prodserv/storage.html>. From this website, select the appropriate product or solution.

HP Authorized Reseller

For the name of your nearest HP authorized reseller:

- In the United States, call 1-800-345-1518
- In Canada, call 1-800-263-5868
- Elsewhere, see the HP website for locations and telephone numbers:
<http://www.hp.com>.

Site Survey

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The following pre-installation site survey is required for installing an HP StorageWorks ESL9000 Series tape library for the following reasons:

- Advance planning is necessary to ensure that the library can be received, unpacked, moved to the installation site, and installed.
- ESL9198: When crated, the library weighs approximately 1220 pounds (553 kg) when fully populated with 8 tape drives. It occupies a footprint of 48 x 48 inches (122 cm x 122 cm) and the height is 80 inches (203 cm).
- ESL9322: When crated, the library weighs approximately 1307 pounds (593 kg) when fully populated with 8 tape drives. It occupies a footprint of 48 x 52 inches (122 cm x 133 cm) and the height is 80 inches (203 cm).
- ESL9326: When crated, the library weighs approximately 1650 pounds (748 kg) when fully populated with 16 tape drives. It occupies a footprint of 48 x 68 inches (122 cm x 173 cm) and the height is 80 inches (203 cm).
- ESL9595: When crated, the library weighs approximately 1822 pounds (826 kg) when fully populated with 16 tape drives. It occupies a footprint of 48 x 71 inches (122 cm x 181 cm) and the height is 80 inches (203).
- The library is rated for 90-264 VAC~, 47-63 Hz, 16 A-8 A, 1600 W service (1200 W for the ESL9198).
- A dedicated outlet ([Figure 1](#) on page 10) and a 20 A circuit breaker must provide power to the library only. It is necessary to use a harmonized 3 x 1.5 mm² power cord that is approved by the associated country of use, and to install the appropriate wall outlet.

Note: For important safety information about HP products and power cords, refer to the *Important Safety Information* booklet.



Figure 1: Wall outlet requirements for North America

Note: Wall outlet is a NEMA 5-20R rated 125 VAC 20 A. All ESL9000 tape libraries contain redundant power supplies. As a result, two wall outlets are required.

Site, Contact, and Host Information

Use the following tables to document important information regarding the installation site, contacts, and the host system.

Site Information

| | |
|-------------------|--|
| Site Name | |
| Site Address | |
| Date | |
| Sales Reference # | |
| VAR | |

Contacts

| Contact | Name | Phone # | E-mail |
|----------------|------|---------|--------|
| Customer 1: | | | |
| Customer 2: | | | |
| VAR SR: | | | |
| VAR FSE: | | | |
| HP SSR: | | | |
| HP Acct. Mgr.: | | | |
| HP FSE: | | | |

Host System Information

| | | |
|----|--|--|
| 1. | Host system make and model: | |
| 2. | Host system application software and revision: | |
| 3. | Host SCSI controller: | |
| 4. | Type of data is to be stored (database, video, exchange mail, etc.): | |
| 5. | Type of industry that identifies the company (financial, manufacturing, software, etc.): | |
| 6. | Country in which the library to be operated: | |
| 7. | Power cord that is required: | |

Receiving the Library (Physical Requirements)

Answer the following questions to ensure you are prepared for the physical requirements needed to receive the library.

| Question | Site Ready? | |
|--|-------------|----|
| | Yes | No |
| 1. Is there a loading dock that is accessible by tractor-trailer? | | |
| 2. Are a minimum of two people available to help uncrate the library? | | |
| 3. Is there a location to store crating/packaging material for future use? | | |
| 4. Are pallet jacks or moving dollies available? | | |
| 5. Is there adequate space to uncrate the library? | | |
| 6. Are tools for uncrating the library available? | | |

Installation Route Requirements (Receiving Dock to Installation Site)

Answer the following questions to ensure you are prepared to transfer the library from the receiving dock to the installation site.

| Question | Site Ready? | |
|--|-------------|----|
| | Yes | No |
| 1. Are the clearances of all doorways and elevators on the route adequate [must be greater than 80 inches (203.2 cm)]? | | |
| 2. Is the route free of steps (no steps should exist along route)? | | |
| 3. Will all flooring (route and installation site) support 250 lb/ft ² (1221 kg/m ²)? | | |
| 4. Is the route free of carpet or obstacles that would impede caster movement? | | |

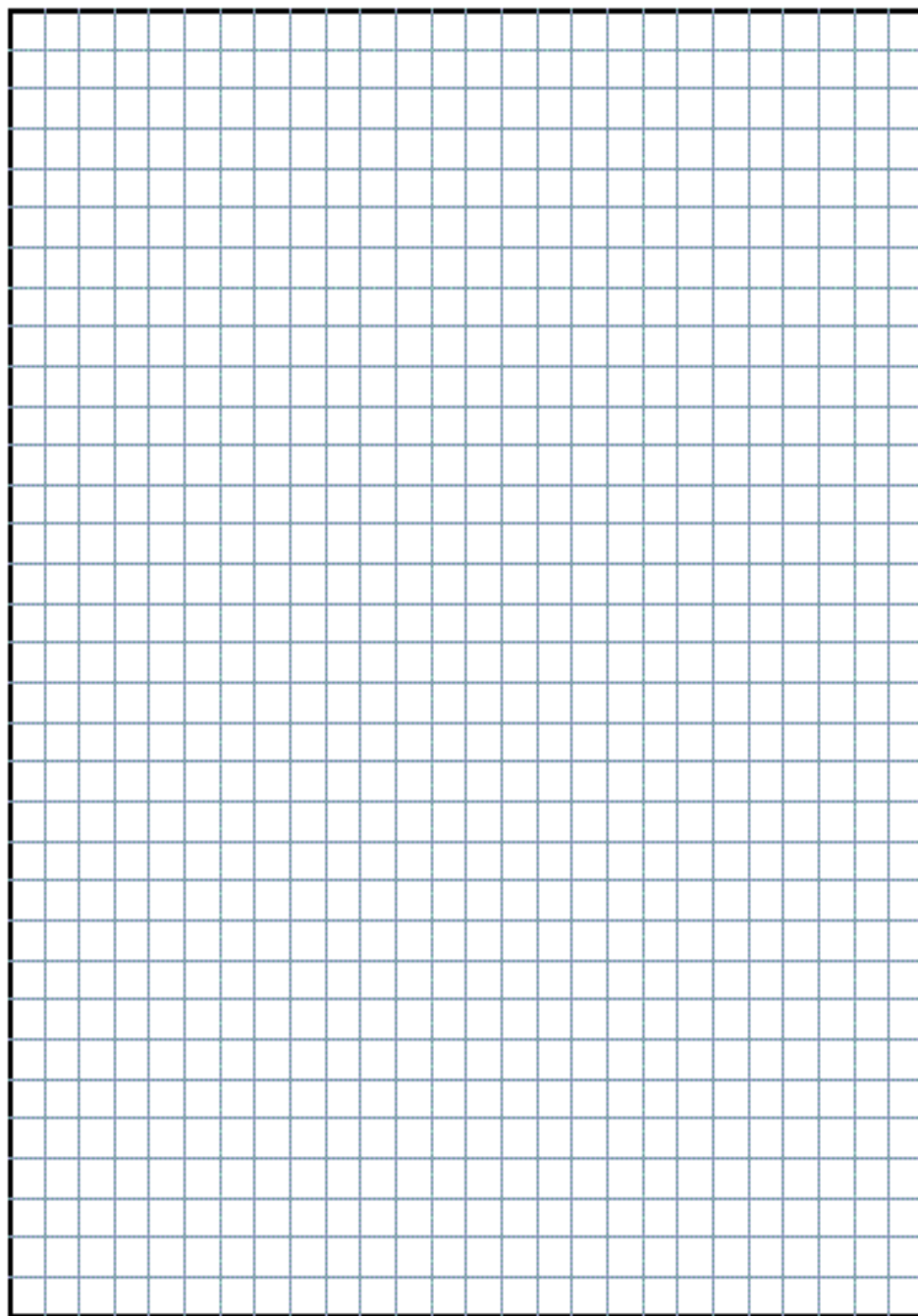
Installation Requirements

Answer the following questions to ensure you are prepared to install the library.

| Question | Site Ready? | |
|---|-------------|----|
| | Yes | No |
| 1. Are the correct number of dedicated host SCSI controllers available or on order (typical installation is one SCSI controller for every two tape drives)? | | |
| 2. Has the SCSI ID scheme been reviewed with the customer? | | |
| 3. Has the equipment location/arrangement been planned (power source/host/library/cabling)? | | |
| 4. Is service and traffic clearance provided (ceiling height/sprinkler heads/cable racks)? | | |
| 5. Has flooring tile cutout (for cabling, if required) been arranged? | | |
| 6. Are SCSI cables available or on order? | | |
| 7. Are SCSI connection kits for forward connectivity available or on order? | | |
| 8. Are all SCSI cables of the proper length (for HVD 65.6 feet (20 m) or less, for LVD 32.8 feet (10 m) or less without a SCSI extender module)? | | |
| 9. Is a dedicated power source with the correct outlet available? | | |
| 10. The library contains a redundant power supply. Are there two dedicated power sources with correct outlets available? | | |
| 11. Is a bypass switch planned? _____ | | |
| Note: Only BBM type is approved for use with the library. _____ | | |
| 12. Is emergency power-off capability provided? | | |
| 13. Is the power disconnect (breaker panel or bypass switch) located within sight of the library (This is a National Electric Code requirement)? | | |
| 14. Is the power source backed up by a generator UPS? | | |
| 15. Are the temperature and humidity at the installation site controlled? | | |

| Question | Site Ready? | |
|--|-------------|----|
| | Yes | No |
| 16. Has qualified application backup software been installed on the hosts? | | |
| 17. If spares have been ordered, is spares storage space available? | | |
| 18. Has access to the customer site been provided to complete this survey? | | |

Using the grid on the following page, draw a map showing the route the library will follow from the receiving dock to the installation site. Note any potential obstacles such as steps, ramps, carpet, thresholds, elevator size and weight ratings, raised floor weight ratings, and rough surfaces. Confirm the installation site selection is appropriate for the size and weight of the library.



Unusual Conditions

Note any unusual or detrimental conditions that exist at the installation site.

| Item | Condition Description |
|------|-----------------------|
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |
| 8. | |
| 9. | |
| 10. | |

Contingency Plans

Note the question number and the contingency plan for each item in the survey for which you answered “No” (site not ready).

| Item | Contingency Plan |
|------|------------------|
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |
| 7. | |

Site Status

Use the table below to indicate whether or not the site is prepared for the library installation.

| Question | Site Ready? | |
|---|-------------|----|
| | Yes | No |
| 1. This site has satisfied the survey requirements and is ready to receive a library. | | |
| 2. There are [] open items before the requirements of this survey are satisfied. | | |

