

SPARCstorage™ UniPack Product Notes



THE NETWORK IS THE COMPUTER™

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Termination

In instances where the maximum four SPARCstorage™ UniPack enclosures are connected in a chain, install a terminator on the last enclosure in the chain in order to prevent reflections on the SCSI bus. Contact your Sun sales representative for the terminator, part number 150-2267.

Status LED

On SPARCstorage UniPack enclosures equipped with hard disk drives, the status LED will be off while the disk is being formatted. Formatting a disk takes about 15 minutes per Gbyte. (The SPARCstorage UniPack User's Guide said that the maximum time the LED would be off is ten minutes.)

Patches

Operating system modifications are required for the devices discussed in this section to operate correctly. Obtain the most current revision of a patch through your service channels.

If a patch is not available, the modifications you need to make to the appropriate `conf` or `sys` files are also listed. You must be root to modify these files.



Caution – Altering a `conf` or `sys` file inappropriately can seriously affect your system's performance. If you are not familiar with this type of task, ask your system administrator for assistance.

Reboot your system after adding patches or modifying `conf` or `sys` files.



SWIS/S Wide SCSI Host Adapter

Solaris 2.x Environment

Patch

- Solaris™ 2.3 environment: Patch ID Number 101378-xx
- Solaris 2.4 environment: Patch ID Number 102509-xx

Workaround

If you cannot obtain the patch for the Solaris 2.3 or 2.4 environments, include this line in the `/etc/system` file:

```
set isp:isp_download_fw=2
```

Solaris 1.x Environment

The SWIS/S Wide SCSI Host Adapter is not supported in the Solaris 1.x environment.

1/4-Inch Tape Drive

Solaris 2.x Environment

Patch

You must install the workaround for the Solaris 2.3 or 2.4 environments; *there is no patch available.*

Workaround

Include these lines in the `/kernel/drv/st.conf` file:

```
tape-config-list=
"TANDBERG TDC 4200", "Tandberg 2.5 Gig QIC", "TAND-25G-FIXED";
TAND-25G-FIXED=1,0x37,512,0x867a,1,0x00,0;
TAND-25G-VAR=1,0x37,0,0x867b,1,0x00,0;
```

For variable block size, change `FIXED` to `VAR` in the second line:

```
tape-config-list=
"TANDBERG TDC 4200", "Tandberg 2.5 Gig QIC", "TAND-25G-VAR";
TAND-25G-FIXED=1,0x37,512,0x867a,1,0x00,0;
TAND-25G-VAR=1,0x37,0,0x867b,1,0x00,0;
```

Solaris 1.x Environment

Patch

You must install the workaround; *there is no patch available.*

Workaround

Include these lines in the `/usr/kvm/sys/scsi/targets/st_conf.c` file:

```
/* Tandberg 2.5 Gig QIC */
{
  "Tandberg QIC 2.5 Gig QIC", 17, "TANDBERG TDC 4200",
  0x37, 512,
  (ST_QIC| ST_BSF| ST_BSR| ST_AUTODEN_OVERRIDE| ST_LONG_ERASE),
  400, 400,
  {0x00, 0x00, 0x00, 0x00},
  {0, 0, 0, 0}
},
```



Note – Rebuild the kernel after modifying the `st_conf.c` file. Follow the instructions in the `/usr/kvm/sys/`/usr/bin/arch -k`/conf/README` file.

8 mm Tape Drive

Solaris 2.x Environment

The 8 mm tape drive requires a patch only if it is being used with a SWIS/S Wide SCSI Host Adapter. See the instructions on page 2.

Solaris 1.x Environment

Patch

A patch is not required for Solaris 1.1.2 or later releases. For prior releases, you must install the workaround; *there is no patch available*.

Workaround

Include these lines in the `/usr/kvm/sys/scsi/targets/st_conf.c` file:

```
/* Exabyte 8505 */
{
  "Exabyte EXB-8505 8mm Helical Scan", 16, "EXABYTE EXB-8505",
  ST_TYPE_EXB8500, 1024,
  (ST_VARIABLE| ST_BSF| ST_BSR| ST_LONG_ERASE),
  5000, 5000,
  {0x14, 0x15, 0x8C, 0x8C},
  {0, 0, 0, 0}
},
```

Note – Rebuild the kernel after modifying the `st_conf.c` file. Follow the instructions in the `/usr/kvm/sys/`/usr/bin/arch -k`/conf/README` file.
