

Q-Link provides a remote interface to any model of Qualstar's TLS series tape libraries. This allows a user/supervisor to observe, configure, control and possibly trouble-shoot any TLS library over the Internet or a LAN using Microsoft's Internet Explorer V6.0 or Netscape V6.2 browsers.

Q-Link communicates to the outside world via a standard 10-BaseT interface. It derives its power from, and communicates with the TLS via a serial communications channel already provided on the TLS's Executive printed circuit board.

Q-Link cannot be added to TLS libraries with 1-Gigabit Fibre Channel Options as they both use the same access panel for installation. Q-Link can be added to any non-Fibre Channel TLS with an Executive-III or Executive-IV board. The version of the Executive board can be determined from the [Private\Executive](#) menu or by removing the access panel on the rear of the TLS.

Q-Link installation requires only a Phillips screwdriver and about 10-minutes of time. The installation kit includes the Q-Link circuit board mounted on a replacement panel for the existing Executive board cover panel, a serial cable and a power cable. It may be necessary to upgrade the TLS firmware contained in the Executive-III or -IV board to Version 2.17 or above before installing the Q-Link interface board. This can be accomplished by either uploading the firmware over the SCSI interface via a Windows compatible computer or by plugging in a new PROM on the Executive board.

After the TLS is shut down, the Executive board cover is removed. The serial and power cables are plugged into the Executive board and the new panel is mounted with the original 6 Phillips screws. Power is then restored and a few configuration menu items are changed for the new configuration.

Once installed, Q-Link can provide the following features:

- Display Inventory and General Status
- Configure the TLS including Drives, SCSI, Logical Libraries
- Dump diagnostic logs
- Upload new TLS firmware
- Upload new Q-Link firmware
- Move inventory
- Clean or unload tape drives

Additionally, Q-Link can be configured to e-mail event or fault messages to a list of support staff when a name server and SMTP server are available.