

HP PCI Tachyon TL/TS/XL2 Fibre Channel Driver Release Notes

HP-UX 11i v1

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1 HP PCI Tachyon TL/TS/XL2 Fibre Channel Driver Release Notes

This document discusses the most recent product information pertaining to the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver supported on the HP-UX 11i v1 operating system. This document addresses the following topics:

- “Overview” (page 6)
- “What is New in This Version” (page 7)
- “Installation Requirements” (page 7)
- “Known Problems and Workarounds” (page 8)
- “Defects Fixed in This Release” (page 8)
- “Related Information” (page 9)
- “Software Availability in Native Languages” (page 9)

Overview

The HP PCI Tachyon TL/TS/XL2 Fibre Channel driver manages the following single port host bus adapters (HBAs):

- A6795A PCI Tachyon TL/TS/XL2 Adapter
- A5158A PCI Tachlite Fibre Channel Adapter
- A6684A HSC-eff Tachlite Fibre Channel Adapter
- A6685A HSC Tachlite Fibre Channel Adapter

These HBAs support Fabric Login between the host and storage devices, thus enabling better performance and fault isolation. All HBAs support a link speed of 1 Gbps. The A6795A HBA supports both 1 Gbps and 2 Gbps.

The A6795A and A5158A products are Peripheral Component Interconnect (PCI)-based HBAs, and the A6684A and A6685A products are High Speed Connect (HSC)-based HBAs.

Driver Versions

Table 1-1 lists the driver versions for each release of the Fibre Channel driver.

Table 1-1 Fibre Channel Driver Version History

Release	HP-UX 11.00	HP-UX 11i v1	HP-UX 11i v1.6	HP-UX 11i v2.0	HP-UX 11i v3.0
Application Release 1201	B.11.00.10 (32-bit or 64-bit)	B.11.11.09 (32-bit or 64-bit)			
11i v1.6 OE Release			B.11.22.01 (64-bit)		
11i v2.0 OE Release				B.11.23.01 (64-bit)	
Application Release 0304				B.11.23.02 (64-bit)	
HP-UX 11i v2 Update 2				B.11.23.03 (64-bit)	
Application Release 1204		B.11.11.12 (32-bit or 64-bit)			
Application Release 0512				B.11.23.0512 (64-bit)	
Application Release 0612		B.11.11.13 (32-bit and 64-bit)			
HP-UX 11i v3 February 2007					B.11.31 (64-bit)

Table 1-1 Fibre Channel Driver Version History (continued)

Release	HP-UX 11.00	HP-UX 11i v1	HP-UX 11i v1.6	HP-UX 11i v2.0	HP-UX 11i v3.0
Application Release 0706		B.11.11.14 (32-bit or 64-bit)		B.11.23.0706 (64-bit)	
Application Release 0709		B.11.11.15 (32-bit or 64-bit)		B.11.23.0709 (64-bit)	B.11.31.0709 (64-bit)
Application Release 0712				B.11.23.0712 (64-bit)	B.11.31.0712 (64-bit)
Application Release 0803		B.11.11.16 (32-bit or 64-bit)		B.11.23.0803 (64-bit)	B.11.31.0803 (64-bit)
Application Release 0809		B.11.11.17 (32-bit or 64-bit)			

What is New in This Version

This version of the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver contains only defect fixes and does not offer any new feature. For information about the defect fixes, see “Defects Fixed in This Release” (page 8).

Installation Requirements

You must install the following software and patch before installing the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver on the system:

- Fibre Channel Mass Storage (FCMS) Patch PHKL_23626 or later

This patch is available for download at the following websites:

<http://h20293.www2.hp.com/>

<http://itresourcecenter.hp.com>

Verifying the HP PCI Tachyon TL/TS/XL2 Fibre Channel Driver Installation

To verify whether the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver is installed successfully on your system, enter the following command at the HP-UX prompt:

```
# swlist FibrChan1-00
```

Where:

FibrChan1-00 is the bundle name for the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver.

If the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver is installed successfully on the system, the following message is displayed:

```
# Initializing...
# Contacting target "hostname"...
#
# Target: hostname:/
#
```

Known Problems and Workarounds

Following are the known problems and workarounds in the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver:

- **Problem:** During online replacement (OLR) of the A6795A adapter in Superdome systems, the replacement can fail if the adapter is connected to the hub, switch, or device, and the following error message is displayed:

OLARD error: General error

The slot is inaccessible till you power cycle the system.

Workaround: Disconnect the cable from the adapter before you perform online addition and replacement (OLAR) operations.

- **Problem:** During online replacement (OLR) of the A6795A adapter on L3000 systems, the replacement can cause a system panic (high-priority machine check (HPMC)) if the adapter is connected to the hub, switch, or device. The subsequent boot hangs unless you power cycle the system.

Workaround: Disconnect the cable from the adapter before you perform the OLAR operations.

- **Problem:** During online replacement (OLR) of the A6795A adapter on the L2000 system, the replacement may fail and the following error message may be displayed:

OLARD error: General error

Workaround: This problem is fixed in Processor Dependent Code (PDC) Version 41.38.

Defects Fixed in This Release

Table 1-2 lists the defects fixed in this release of the Fibre Channel PCI Tachyon TL/TS/XL2 driver.

Table 1-2 Defects Fixed in the HP-UX 11i v1 Operating System

Number	Description
QXCR1000800100	SNIA HBA library returns the target mapping details for an unrepresented XP lun while the target mapping details of an unrepresented EVA lun are not returned. This results in incorrect information in the bindings information provided for an HP-UX host in Storage Essentials. The SNIA HBA library has been fixed so that it does not return the target mapping details of any unrepresented luns.
QXCR1000792409	When the SNIA API tries to open any LUN which is in a NO_HW state, open () fails and retries. These retries cause delays in

Table 1-2 Defects Fixed in the HP-UX 11i v1 Operating System *(continued)*

Number	Description
	completion of the call. The SNIA API has been fixed so that it does not open () a LUN which is in a NO_HW state.

Related Information

For more information about the HP PCI Tachyon TL/TS/XL2 Fibre Channel driver, see the following documentation available at:

<http://docs.hp.com/en/netcom.html#Fibre%20Channel>

Support Guide	This document provides a product overview, and discusses additional features and regulatory information. It also describes how to install, configure, troubleshoot, and maintain the driver.
Installation Guide	This document describes how to install software and hardware for specific HBAs.
Support Matrix	This document discusses support matrix for Fibre Channel adapters, supported hardware platforms, operating systems, driver bundle versions, and minimum processor dependent code (PDC) or firmware requirements.
White Paper	The white papers suggest and describe ways to increase the performance of Fibre Channel adapters.

Software Availability in Native Languages

The HP PCI Tachyon TL/TS/XL2 Fibre Channel driver software is available in the English language only.