

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

**HP-UX 11i v1**



**Manufacturing Part Number: J2635-90033**

**September 2007**

© Copyright 2006-2007 Hewlett Packard Development Company, L.P.

---

## Legal Notices

© Copyright 2006-2007 Hewlett-Packard Development Company, L.P.

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

UNIX is a registered trademark of The Open Group.

---

# **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” on page 5
- “What is New in This Version” on page 7
- “Installation Requirements” on page 8
- “Known Problems and Workarounds” on page 10
- “Defects Fixed in This Release” on page 11
- “Related Information” on page 12
- “Software Availability in Native Languages” on page 13

## Overview

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

- A6795A PCI Tachyon 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)			

## Overview

**Table 1-1**                    **Fibre Channel Driver Version History (Continued)**

<b>Release</b>	<b>HP-UX 11.00</b>	<b>HP-UX 11i v1</b>	<b>HP-UX 11i v1.6</b>	<b>HP-UX 11i v2.0</b>	<b>HP-UX 11i v3.0</b>
HP-UX 11i v3 February 2007					B.11.31 (64-bit)
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)

---

## 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” on page 11.

## **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 Version B.11.11.15

This driver is available for download at:

<http://h20293.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=FibrChanl00>

- 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 XL2 Fibre Channel Driver Installation

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

```
# swlist FibrChanl-00
```

Where:

FibrChanl-00 is the bundle name for the HP PCI Tachyon XL2 Fibre Channel driver.

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

```
# Initializing...
# Contacting target "hostname"...
#
# Target: hostname:/
#
# FibrChanl-00          B.11.11.15    PCI/HSC FibreChannel;Supptd HW=A6684A,A6685A,A5158A,A6795A
  FibrChanl-00.FC-TACHYON-TL  B.11.11.15    PCI/HSC FibreChannel;Supptd HW=A6684A,A6685A,A5158A,A6795A
```

## Known Problems and Workarounds

Following are the known problems and workarounds in the HP PCI Tachyon 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 XL2 driver.

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

Number	Description
JAGag40950	When a data protector backup is initiated in a SAN environment, system crashes with an HPMC in the Fibre Channel (td) driver.

## **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 XL2 Fibre Channel driver software is available in the English language only.

