

# IEther-00 (iether) B.11.31.0909 Ethernet Driver Release Notes HP-UX 11i v3

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This document provides information about the September 2009 release of the IEther-00 bundle for HP-UX 11i v3.

## 1 IEther-00 Overview

The IEther-00 bundle contains the `iether` version B.11.31.0909 driver, which supports the following Gigabit Ethernet cards and combination cards:

PCIe Ethernet Cards	PCIe Ethernet Mezzanine Cards	PCIe Combination Cards	PCI-X Ethernet Cards	PCI-X Combination Cards
AD337A, AD338A, AD339A	NC360m, NC364m	AD221A, AD222A, AD393A	A7011A, A7012A, AB545A, AD331A, AD332A	AB290A, AD193A, AD194A

## 2 New and Changed Features in This Release

### 2.1 New Features

There are no new features included in IEther-00 at the time of this publication.

### 2.2 Changed Features

There are no changed features included in IEther-00 at the time of this publication.

## 3 Problems Fixed in This Version

Table 1 lists the problems fixed in this version of IEther-00.

**Table 1 HP-UX 11i v3 September 2009 Fixes — IEther-00 B.11.31.0909**

SR Number	Description
QXCR1000915759	The <code>iether</code> driver is enhanced to log the Producer and the Consumer index of the Receive ring under following conditions: <ul style="list-style-type: none"> <li>• When the HP-UX system panics</li> <li>• When the HP-UX system is TOC'd</li> </ul>
QXCR1000910543	The HPVM host system encounters a panic in the <code>iether</code> driver transmit path. This panic occurs during the execution of certain scripts when network traffic is going through a Virtual NIC configured using AVIO_LAN over APA vSwitch. The APA port used for the vSwitch is configured over <code>iether</code> network interface ports. The following scripts are affected: <ul style="list-style-type: none"> <li>• <code>hplm stop</code></li> <li>• <code>hpapa stop</code></li> <li>• <code>hpapa start</code></li> <li>• <code>hplm start</code></li> </ul>
QXCR1000909009	Network packets transmitted are dropped in the HPVM guest OS, which causes a drop in throughput rate. This occurs when network traffic is going through a Virtual NIC which is configured using AVIO_LAN over APA vSwitch. The APA port used for the vSwitch is configured over <code>iether</code> network interface ports. <p>Two independent problems contribute to the packets being dropped. One problem is resolved by the <code>iether</code> driver in this release. The other is resolved in the B.11.31.0909 version of the AVIO HostAvioLan <code>hssn</code> driver (CR:QXCR1000929012).</p>

## Problems Fixed in Recent Versions

**Table 2 HP-UX 11i v3 October 2008 Fixes — IEther-00 B.11.31.0810**

SR Number	Description
QXCR1000854397	On fiber cards with IEther-00 version B.11.23.0809 installed, performing any of the following actions might cause a LINK DOWN condition that persists until the system reboots: <ul style="list-style-type: none"><li>• Executing two or more resets with <code>lanadmin -r</code>.</li><li>• Performing multiple disable/enable cycles on the switch ports.</li><li>• Disconnecting and reconnecting the cabling.</li></ul>

**Table 3 HP-UX 11i v3 September 2008 Fixes — IEther-00 B.11.31.0809**

Reference Number	Description
QXCR1000771417	NC364m card port link flaps when the interconnect bay is empty.

## 4 Known Problems and Limitations

No known problems were identified for this version of IEther-00 at the time of this publication.

## 5 Compatibility and Installation Requirements

This section describes the compatibility information and installation requirements for this release.

- For specific installation instructions, see the installation procedure or overview document for your card.
- For detailed information on supported server platforms, operating systems, and firmware level requirements, see the *Ethernet System-Driver Matrix for HP-UX 11i v1, 11i v2, and 11i v3*.

These documents are available at:

<http://docs.hp.com/en/netcom.html>

### 5.1 Operating System and Version Compatibility

This release is specific for HP-UX 11i v3 (B.11.31).

### 5.2 Hardware Requirements

This version of IEther-00 runs on HP Integrity and HP 9000 servers with the HP-UX 11i v3 (B.11.31) operating system.

## 6 Related Information

The latest documentation for ethernet cards is available in English at:

<http://docs.hp.com/en/netcom.html>

## 7 Software Availability in Native Languages

The IEther-00 product is available only in the English language.