

**IEther-00 (iether)  
Gigabit Ethernet Driver  
for HP-UX 11i v2  
of December 2006  
Release Notes**

**IEther-00 Software Version B.11.23.0612.01**



**Manufacturing Part Number : J6371-90010  
E1206**

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# IEther-00 (iether) Gigabit Ethernet Driver for HP-UX 11i v2 of December 2006 Release Notes

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## What's in this Version

The following information describes the updates made to one HP-UX-based Gigabit Ethernet driver. The IEther-00 software bundle, which is built into the OE, contains the driver called iether.

You can check to see if each driver is present on your system by running the commands described in “How to Verify that the Correct Driver is in the Kernel” in this document.

The December 2006 version of the IEther-00 driver for HP-UX 11i v2 contains the following fixes:

- Fixed driver code to add a state check to prevent an assertion panic seen in `iether_set_fctrl_on()`.
- Fixed ping/NFS performance over UDP.
- Enabled lanadmin to display a Manufacturing Date Code.
- Fixed a problem where there was ping delay with slow traffic.
- Fixed incorrect TCP cksum computation of packets with zero cksum.
- Enhanced driver to support maximum transmission unit (MTU) as low as 257 bytes.
- Fixed code to prevent possible MCA due to race condition between send and reset.

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## Overview of Software Installation Process

The Gigabit Ethernet driver updates for HP-UX 11i v2 of December 2006 are part of the Operating Environment (OE) located on two DVDs. You can either load the entire OE or just select the parts you want. For HP-UX 11i v2, in December 2006, the driver updates are also located on the Application DVDs. There are also media for a software pack (SPK) and diagnostics.

To install the Operating Environment, see the instructions in the *Installation and Update Guide HP-UX 11i Version 2*. The operating environment version should show as B.11.23 for HP-UX 11i v2 or B.11.11 for HP-UX 11i v1 when you type: `uname -a` at the system prompt.

For instructions on how to install and configure your network card's hardware and software, refer to the installation guide for your card and driver available on the web at <http://docs.hp.com/en/netcom.html> under “Gigabit Ethernet.” If the network card was factory installed (ordered on product option 0D1) or is the “built-in” or “core” LAN, the LAN driver for this card will already be on your system disk.

## How to Verify that the Correct Driver is in the Kernel

To verify that the iether Gigabit Ethernet driver was loaded in the kernel, type the following command:

```
what /stand/vmunix |grep drivername  
where drivername is iether for the IEther-00 bundle.
```

You should see a response like:

```
iether_ilan Version: 1 Dec 19 2006  
iether Revision: B.11.23.0612.01
```

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## List of Related Documentation

Following is a list of documents related to this product. They are available on the web at <http://docs.hp.com> under "I/O Cards and Networking Software." Scroll down to 1000Base-T and 1000Base-SX (Gigabit Ethernet).

- *HP-UX Ethernet Driver Support Matrix, Version 2 (for Releases of Sept 2004 and Later)*  
Provides the most current list of Gigabit Ethernet cards that each driver supports.
- *Ethernet Support Guide*  
Provides information on advanced features and detailed information on troubleshooting the Gigabit Ethernet cards. The Support Guide is also available on the Instant Information DVD if you have an HP support contract.
- *Installation and Update Guide HP-UX 11i Version 2*  
Provides information on installing the Operating Environment whether on a new or existing system.