

# 10GigEthr-02 (iexgbe) B.11.31.1003

## Ethernet Driver Release Notes

### HP-UX 11i v3

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This document provides information about the March 2010 release of the 10GigEthr-02 bundle for HP-UX 11i v3.

## 1 10GigEthr-02 Overview

The 10GigEthr-02 bundle contains the `ixgbe` driver, which supports the HP NC532m Dual Port 10GbE Multifunction BL-c Adapter.

This release supports limited functionality. The web released driver contains features that were not ready at the time of AR1003 release. You can download the latest version on the HP website as follows:

- Prior to April 15, 2010:
  - Go to the HP Software Kiosk website at:  
<http://software.hp.com/kiosk>
  - When prompted, log in with the following case-sensitive credentials:  
User name: **Flex10\_4\_Integrity**  
Password: **Welcome10G**
  - Click **10 Gigabit Ethernet Driver for NC532m on HP-UX**.
- On or after April 15, 2010:
  - Go to the HP Software Depot website at:  
<http://www.software.hp.com/>
  - Search for **10GigEthr-02**.

## 2 New and Changed Features in This Release

### 2.1 New Features

There are no new features included in 10GigEthr-02 at the time of this publication.

### 2.2 Changed Features

There are no changed features included in 10GigEthr-02 at the time of this publication.

## 3 Problems Fixed in This Version

There are no defects or fixes included in 10GigEthr-02 at the time of this publication.

### Problems Fixed in Recent Versions

There were no defects or fixes included in 10GigEthr-02 version B.11.31.0911.

## 4 Known Problems and Limitations

The following features are not available on Version 11.31.1003:

- **Flex-10 bandwidth allocation is not supported.**

#### **Severity: Medium**

Version 11.31.0911 of the `ixgbe` driver does not support Flex-10 bandwidth allocation. The NC532m Flex-10 adapter has two physical ports. Each physical port has an aggregate 10 Gb transmit bandwidth and can support up to four virtual NICs. When fully implemented, Flex-10 technology enables you to use the VC interconnect to specify the bandwidth values for each of the four virtual NICs (FlexNICs), up to the aggregate 10 Gb.

In this version of the `ixgbe` driver, FlexNICs are implemented; however, the bandwidth allocation of each FlexNIC cannot be specified. This feature will be available in a future release of the 10GigEthr-02 bundle.

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- **Propagation of uplink status to Flex-NICs is not supported.**

**Severity: High**

Version 11.31.0911 of the `ixgbe` driver does not support link state status when connected to the HP BL-c VC Flex-10 Enet Module Opt (455880-B21). The link state of the uplink does not propagate to the appropriate FlexNIC. Even if the uplink is in the “link down” state, the FlexNIC driver reports a “link up” state as long as the connection to the interconnect module is active. This functionality is required for Service Guard and LAN Monitor support.

Uplink status propagation will be supported in a future release of the 10GigEthr-02 bundle.

## 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 Support Matrix.

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 10GigEthr-02 runs on HP Integrity BL860c (rev B) and BL870c server blades with the HP-UX 11i v3 (B.11.31) operating system. This configuration has specific version requirements for many system components. Table 1 summarizes these requirements:

**Table 1 NC532m System Component Minimum Version Requirements**

System component	Minimum version required
HP Integrity BL860c hardware revision	B
HP Integrity BL860c system firmware	4.21
HP Integrity BL870c system firmware	4.21
HP Onboard Administrator firmware	2.60
HP Virtual Connect firmware	2.30
467799-B21 HP BL-c NC532m NIC Adapter Opt Kit EFI driver	5.0.23
410916-B21 Cisco Catalyst Blade Switch 3020 Module firmware	12.2(50)SE
406740-B21 HP 1Gb Ethernet Pass-Thru Module firmware	2.8.3

## 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 10GigEthr-02 product is available only in the English language.