
HP-UX 10 Gigabit Ethernet Driver 10GigEthr-00 Release History

Edition 6: August 2008

For further details on each driver version, please see the Release Notes for the specific version (example, B.11.23.06) available in the Archive section under I/O Cards and Networking Software on <http://docs.hp.com>.

Table 1 HP-UX 10 Gigabit Ethernet Driver 10GigEthr-00 Release History

Date	HP-UX Version and Release Type	ixgbe Driver Version	Features
July 2008	11.23 July web release	B.11.23.0807	Introduces support for 4-tuple hash based steering on the AD385A. Driver available online at: http://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=10GigEthr-00
Oct 2007 Dec 2007	11.31 Oct web release and 11.31 Dec AR	B.11.31.0710/ B.11.31.0712	Supports the new AD385A 266Mhz PCI-X 10 Gigabit Ethernet cards as well as the AB287A cards. Driver available online at: http://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=10GigEthr-00
Sept 2007	11.11 and 11.23 web release	B.11.11.0709/ B.11.11.0712 and B.11.23.0709	Supports the new AD385A 266Mhz PCI-X 10 Gigabit Ethernet cards as well as the AB287A cards. Driver available online at: http://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=10GigEthr-00

Table 1 HP-UX 10 Gigabit Ethernet Driver 10GigEthr-00 Release History

Date	HP-UX Version and Release Type	ixgbe Driver Version	Features
Sept 2007	11.31 AR	B.11.31.0709	<ul style="list-style-type: none"> -- Supports UDP traffic over the destination port-based multi-queues -- Displays vital product data (vpd) by using the nwmgr command. The syntax is as follows: <code>nwmgr -g -q vpd -c lanppa</code> -- Supports dynamically loading the ixgbe driver to the HP-UX kernel and unloading from the HP-UX kernel without rebuilding the kernel or rebooting the system. A complete Dynamically Loadable Kernel Module (DLKM) Infrastructure is required to enable the DLKM feature of the driver. For complete information, see the "I/O Subsystem" subsection of the <i>HP-UX 11i Version 3 September 2007 Release Notes</i>.

Table 1 HP-UX 10 Gigabit Ethernet Driver 10GigEthr-00 Release History

Date	HP-UX Version and Release Type	ixgbe Driver Version	Features
June 2007	11.11 AR	B.11.11.0705	Allows you to display vital product data (VPD) of LAN card. Syntax is <code>lanadmin -x vpd ppa</code>
	11.23 AR	B.11.23.0705	<p>Supports enabling multiqueues using port-based steering over User Datagram Protocol (UDP) . Disabled by default.</p> <p>Allows you to display vital product data (VPD) of LAN card. Syntax is <code>lanadmin -x vpd ppa</code></p> <p>Supports PCI-X Error Handling when the prerequisite PCIErrorHandling-00 bundle is also installed on the system. PCI-X Error Handling provides a system with improved fault-tolerance. PCI-X Error Handling allows an HP-UX system to avoid a Machine Check Abort (MCA) or a High Priority Machine Check (HPMC), if a PCI-X error occurs (for example, a parity error). For details, see the <i>PCI Error Handling Product Note: HP-UX Servers and Workstations</i>.</p>

Table 1 HP-UX 10 Gigabit Ethernet Driver 10GigEthr-00 Release History

Date	HP-UX Version and Release Type	ixgbe Driver Version	Features
February 2007	11.31 OE	B.11.31.01	<ul style="list-style-type: none"> -- Online deletion (OLD) allows removal of supported networking and I/O cards. -- Module packaging. The kernel code is partially pre-linked to speed up kernel link times and improve runtime performance. Pre-linking can do some sophisticated code optimization. -- PCI Error Handling and Recovery support. -- 64-bit management information base (MIB) statistics support directs the Data Link Service provider to return 64-bit statistics. -- Security Containment support. For details, please refer to the <i>HP-UX 11i Security Containment Introduction -- HP-UX 11i Security Containment Administrator's Guide</i>. -- Network Interfaces Configuration tool support for web-based networking configuration. This is a module within the HP System Management Homepage (HP SMH) tool. It replaces the SAM tool. -- <code>nwmgr</code> support and associated manpage. <code>nwmgr</code> is the command-line based tool for configuring networking.

Table 1 HP-UX 10 Gigabit Ethernet Driver 10GigEthr-00 Release History

Date	HP-UX Version and Release Type	ixgbe Driver Version	Features
Dec 2005	11.11 OE	no change	
	11.11 AR		
	11.23 OE	B.11.23.06	Supports TCP-reassembly in the driver. Disabled by default. Supports new method of enabling multiqueues using destination port-based steering. Disabled by default.
	11.23 AR	B.11.23.06	Supports TCP-reassembly in the driver. Disabled by default. Supports new method of enabling multiqueues using destination port-based steering. Disabled by default.
Sept 2005	11.11 OE	B.11.11.01	Supports TCP-reassembly in the driver. Disabled by default. Corrected tunable definition in Installation Guide.
	11.11 AR		
	11.23 OE	no change	
	11.23 AR		
May 2005	11.23 OE	B.11.23.04	Support for logical multi-queues using virtual LANs (VLANs)
	11.23 AR	B.11.23.04	Support for logical multi-queues using virtual LANs (VLANs) See 10GigEthr-00 Release Notes at http://docs.hp.com/en/netcom.html#10%20Gigabit%20Ethernet

Table 1 HP-UX 10 Gigabit Ethernet Driver 10GigEthr-00 Release History

Date	HP-UX Version and Release Type	ixgbe Driver Version	Features
Sept 2004	11.23 OE	B.11.23.02	First Release.
	11.23 AR	B.11.23.02	First Release. See 10GigEthr-00 Release Notes at http://docs.hp.com/en/netcom.html#10%20Gigabit%20Ethernet

