

HP-UX Gigabit Ethernet Driver GigEther-01 Release History

Edition 4: September 2008

For further details on each driver version, please see the Release Notes for the specific version (example, B.11.23.0606) available in the Archive section under I/O Cards and Networking Software at <http://www.docs.hp.com>.

Table 1 HP-UX Gigabit Ethernet Driver GigEther-01 Release History

Date	HP-UX Version and Release Type	igelan Driver Version	Features
Sept 2008	11.23 AR	B.11.23.0809	<p>-- Support to configure the gigabit interface to connect at only 1000FD speed and to fail if the speed falls back to 100FD/100HD or 10FD/10HD.</p> <p>-- Fix available for NIC LED issue on BL860C and BL870C.</p> <p>For more information, see the <i>GigEther-01 (igelan) Gigabit Ethernet Driver for HP-UX 11i v2 of September 2008 Release Notes</i> and <i>GigEther-01 (igelan) Gigabit Ethernet Driver for HP-UX 11i v3 of September 2008 Release Notes</i>.</p> <p>-- Support accelerated virtual I/O (AVIO) to significantly improve HPVM I/O performance. *</p> <p>-- The nwmgr_igelan man page has been updated to reflect the correct value of current MTU, that is, 3 bytes.*</p> <p>-- Fix has been provided where cards supported by the igelan driver on HP-UX 11i v3 could occasionally hang.*</p> <p>* This feature is applicable only for B.11.31.0809.</p>
	11.31 AR	B.11.31.0809	
Dec 2007	11.23 OE	B.11.23.0712	<p>-- Supports the core networking of the HP-UX based BL870c Server Blade.</p> <p>-- Supports AVIO (Accelerated Virtual IO) to improve networking performance of the guest drivers in an HPVM environment.</p> <p>-- Defect fixes described in the <i>GigEther-01 (igelan) Gigabit Ethernet Driver for HP-UX 11i v2 of December 2007 Release Notes</i>.</p>

Table 1 HP-UX Gigabit Ethernet Driver GigEther-01 Release History

Date	HP-UX Version and Release Type	igelan Driver Version	Features
Sept 2007	11.31 OE	B.11.31.0709	-- Supports dynamically loading the igelan 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> .
	11.31 AR	B.11.31.0709	
June 2007	11.11 AR	B.11.11.0706	Updates and fixes described in the <i>GigEther-01 (igelan) Gigabit Ethernet Driver for HP-UX 11i v1 of June 2007 Release Notes</i>
	11.23 OE	B.11.23	Clarifications were made for using network commands with HP-UX 11i v2 igelan based network cards on the BL860c Server Blade . Please see the document <i>HP-UX 11i v2 Network Command Differences when used with HP BL860c and BL870C Server Blades</i> .

Table 1 HP-UX Gigabit Ethernet Driver GigEther-01 Release History

Date	HP-UX Version and Release Type	igelan Driver Version	Features
February 2007	11.31 OE	B.11.31	<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</i> -- <i>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 Gigabit Ethernet Driver GigEther-01 Release History

Date	HP-UX Version and Release Type	igelan Driver Version	Features
June 2006	11.11 OE	no change	
	11.11 AR	B.11.11.23	<p>Checksum Offload change to default transmit.</p> <p>PCI-X Error Handling improvements. (requires pre-requisite PCI-X Error Handling-00 bundle.) The PCI-X Error Handling-00 bundle is a selectable feature that is located on the SPK (software pack) DVD.</p> <p>64-bit MIB statistics support, but prerequisite patch PHNE_33704 (or later) must also be installed. See GigEther-01 Release Notes at http://docs.hp.com/en/netcom.html#1000Base-T%20and%201000Base-SX%20%28Gigabit%20Ethernet%29</p>
	11.23 OE	B.11.23.0606	<p>Checksum Offload change to default transmit.</p> <p>PCI-X Error Handling improvements. (requires pre-requisite PCI-X Error Handling-00 bundle.)The PCI-X Error Handling-00 bundle is a selectable feature that is located on the SPK (software pack) DVD.</p> <p>Pre-enable future technology.</p>
	11.23 AR	B.11.23.0606	<p>Checksum Offload change to default transmit.</p> <p>PCI-X Error Handling improvements. (requires pre-requisite PCI-X Error Handling-00 bundle.)The PCI-X Error Handling-00 bundle is a selectable feature that is located on the SPK (software pack) DVD.</p>

Table 1 HP-UX Gigabit Ethernet Driver GigEther-01 Release History

Date	HP-UX Version and Release Type	igelan Driver Version	Features
May 2005	11.11 OE	B.11.11.20	Checksum Offload change to default receive.
	11.11 AR	B.11.11.20	Checksum Offload change to default receive. See GigEther-01 Release Notes at http://docs.hp.com/en/netcom.html#1000Base-T%20and%201000Base-SX%20%28Gigabit%20Ethernet%29
	11.23 OE	B.11.23.0505	Checksum Offload change to default receive.
	11.23 AR	B.11.23.0505	Checksum Offload change to default receive.



