

**[[[GigEther-01 (igelan)
Gigabit Ethernet Driver
for HP-UX 11i v2
of December 2007
Release Notes]**

**[[GigEther-01 Software Version B.11.23.0712
]]
[[
[[**

[[Printed in U.S.A.]]



[[Legal Notices]

[The information in this document is subject to change without notice.]

[[*Hewlett-Packard makes no warranty of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.*] Hewlett-Packard shall not be held liable for errors contained herein or direct, indirect, special, incidental or consequential damages in connection with the furnishing, performance, or use of this material.]

[[Warranty]

[A copy of the specific warranty terms applicable to your Hewlett- Packard product and replacement parts can be obtained from your local Sales and Service Office.]

[[Restricted Rights Legend]

[Use, duplication or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-7013 for DOD agencies, and subparagraphs (c) (1) and (c) (2) of the Commercial Computer Software Restricted Rights clause at FAR 52.227-19 for other agencies.]]

[HEWLETT-PACKARD DEVELOPMENT COMPANY L.P.
20555 S.H. 249
Houston, Texas 77070]

[Use of this document and any supporting software media supplied for this pack is restricted to this product only. Additional copies of the programs may be made for security and back-up purposes only. Resale of the programs, in their present form or with alterations, is expressly prohibited.]

[[Copyright Notice]

[Copyright [©] 1997-2007 Hewlett-Packard Development Company L.P.
Reproduction, adaptation, or translation of this document without prior written permission is prohibited, except as allowed under the copyright laws.]]]

[[GigEther-01 (igelan) Gigabit Ethernet Driver for HP-UX 11i v2 of December 2007 Release Notes]

[[What's in this Version]

[The following information describes the updates made to the HP-UX-based Gigabit Ethernet driver called **igelan**]. The **GigEther-01** software bundle, which is loaded into the OE, contains the **igelan** driver.]

[The December 2007 version of the HP-UX 11i v2 **GigEther-01** driver has been modified to include the following *enhancements*:]

- [support accelerated virtual I/O (AVIO) to significantly improve HPVM I/O performance.]
 [The new HPVM AVIO devices provide significant performance improvement (up to 60% decrease in Service Demand and up to 2X increase in throughput) over the existing (fully emulated) Virtual I/O (VIO) devices.
 The HPVM 3.5 release will support 2 new Accelerated Virtual I/O device drivers (storage and lan) that significantly improve HPVM I/O performance. The HPVM 3.5 product will be shipped via HP Independent Media and will not be included with the 0712 Fusion Release.]
 [The Accelerated Virtual I/O (AVIO) solution is composed of 4 new products: GuestAvioLan, HostAvioLan, GuestAvioStor, and HostAvioStor. The initial version for these products will all be B.11.23.0712 and as stated above will be supported with the HPVM release 3.5.]
 [The AVIO lan driver will support the following Ethernet drivers: ixgbe (10GbE), igelan (1GbE), and iether (1GbE).]
 [The configuration process for the new AVIO devices is basically the same as for the existing VIO devices. The only difference is the device names used in the hpvmcreate/hpvmmodify commands. The names of the AVIO devices are aviolan (or avio_lan) and aviostor (or avio_stor).]

- [[supports HP-UX 11i v2 based BL870c server blade.]]]

[The December 2007 version of the HP-UX 11i v2 **GigEther-01** driver contains the following *fixes*:]

- [Contains all fixes available as part of patches PHNE_34700(B.11.23.0609.01) and PHNE_35793(B.11.23.0609.02). This includes the fix so that when [lanadmin] sets the link speed of an A6825A 1000Base-T card to 100 FD, this causes a link-partner set for autonegotiation to change its speed/duplex to 100HD.]
 [JAGag48278 - fixed an issue with HPVM and DLPI applications that used RAW mode.]
- [[JAGag37602 - fixed igelan to remove "sleep 5" from the igelan startup script if there was no igelan card.]]]
- [[JAGag43570 - fixed igelan driver to correctly report the MIB ifOutQLen.]]]

Related Document

[[Related Document]]

[For some known command differences when **igelan** is used on the HP BL860c or BL870c Server Blades, please see [*HP-UX 11i v2 Network Command Differences when used with HP BL860c/BL870c Server Blades*].]]]