



I/O Compatibility Guide For ESX Server 3.0.x

Last Updated: September 17, 2008

What's New

Changes since the last edition of this guide include:

- Added support for LSILogic LSI MegaRAID SAS 8880EM2. See [“LSILogic Storage IO Devices,”](#) on page 18.

Introduction

VMware® ESX Server software delivers high performance I/O for PCI-based SCSI, RAID, Fibre Channel, and Ethernet controllers. To achieve high performance, these devices are accessed directly through device drivers in the ESX Server host, and not through a host operating system, as with VMware Workstation and VMware Server products.

Support for I/O devices listed in this document is specific to device compatibility with the VMware ESX Server versions listed in the corresponding tables. This does not imply a statement of support for adding a device to any certified system. System vendors determine device compatibility with a given system. Please refer to the compatibility list provided by the system vendor before adding a certified device to a certified system.

NOTE IDE RAID and SATA RAID are not supported for the VMFS file system.

If you are having a technical issue with 3rd party HW/SW and it is not found on this list, please refer to our 3rd Party HW/SW support policy at <http://www.vmware.com/support/policies/ThirdParty.html>.

This document includes the following topics:

- [“Storage I/O Drivers and Devices”](#) on page 2
- [“Network I/O Drivers and Devices”](#) on page 23

Linux Driver Compatibility

While ESX Server software itself is not derived from Linux, it includes a Linux compatibility module to allow Linux storage and networking drivers to be adapted and recompiled for ESX Server hosts. This enables VMware and VMware partners to more easily support a wide range of high-performance devices and eases the driver porting effort on the storage and networking device vendors. VMware or VMware partners typically modifies these drivers for one or more of the following reasons:

- To make the driver compatible with the ESX Server host
- To tune the driver for performance
- To add I/O resource governing or QoS support to the driver
- To fix generic bugs in the driver

It is not possible to directly load existing, precompiled, Linux device driver binaries onto an ESX Server host.

Storage I/O Drivers and Devices

This section discusses storage I/O devices in the following sections:

- [“Storage I/O Driver Versions”](#) on page 2
- [“Storage I/O Device and Model Information”](#) on page 3

Storage I/O Driver Versions

The following table summarizes the driver versions shipped with the current release of ESX Server software:.

Table 1. Driver Version

| Class | Vendor | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|-------|-----------|--------------------------|-------------------|--------------------------|------------|--------------------------|----------|--------------------------|----------|
| | | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| SCSI | Adaptec | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| | Adaptec | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| | Adaptec | adp94xx | 1.0.7-11 | adp94xx | 1.0.7-11 | adp94xx | 1.0.7-11 | adp94xx | 1.0.7-11 |
| | LSI Logic | mptscsi ¹ | 2.05.16 | | | | | | |
| | LSI Logic | mptscsi_2xx ¹ | 2.06.34.01 | mptscsi_2xx ¹ | 2.06.34.13 | mptscsi_2xx ¹ | 2.06.48 | mptscsi_2xx ¹ | 2.06.48 |
| iSCSI | QLogic | qla4010 | 3.10 ² | | | | | | |
| | QLogic | | | qla4022 | 3.24 | qla4022 | 3.24 | qla4022 | 3.24 |

Table 1. Driver Version (Continued)

| Class | Vendor | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|-----------|--------------------------------|--------------|--------------------------------------|--------------|-----------------------------------|--------------------------|-----------------------------------|-----------------|
| | | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| RAID | Adaptec | aacraid ³ | 1.1-5-2372 | | | | | | |
| | Adaptec | aacraid_esx30 ³ | 1.1.5-2415 | aacraid_esx30 ³ | 1.1.5-2415 | aacraid_esx30 ³ | 1.1.5-2415 | aacraid_esx30 ³ | 1.1.5-2415 |
| | Adaptec | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| | HP | cciss | 2.4.54-14VMS | cciss | 2.4.54-14VMS | cciss | 2.4.66 ^{10, 11} | cciss | 2.4.66 |
| | LSI Logic | megaraid2 ⁴ | 2.10.7 | megaraid2 ⁴ | 2.10.7 | megaraid2 ⁴ | 2.10.7 | megaraid2 ⁴ | 2.10.7 |
| | LSI Logic | megaraid_sas ⁴ | 00.00.02.00 | megaraid_sas ⁴ | 00.00.02.00 | megaraid_sas ⁴ | 3.0.9 ^{10, 12} | megaraid_sas ⁴ | 3.0.9 |
| | Mylex | dac960 | 2.4.11 | dac960 | 2.4.11 | dac960 | 2.4.11 | dac960 | 2.4.11 |
| Fibre Channel | Emulex | lpfcdd_7xx ⁷ | 7.1.14 | | | | | | |
| | Emulex | lpfcdd_732 ^{5, 7} | 7.3.2_vmw1 | lpfcdd_732 (default) ^{5, 7} | 7.3.2_vmw2 | lpfcdd_732 (default) ⁷ | 7.3.2_vmw4 | lpfcdd_732 (default) ⁷ | 7.3.2_vmw10 |
| | QLogic | qla2x00_7xx ⁸ | 7.04.00 | | | | | | |
| | QLogic | qla2x00_707 ^{5, 6, 8} | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| ¹ You cannot simultaneously run devices using the mptscsi driver and ones using the mptscsi_2xx driver.X | | | | | | | | | |
| ² QLogic 4010 iSCSI adapter requires BIOS v1.09 and firmware v02.00.00.05, or later. In ESX Server 3.0, qla4010 is considered an experimental driver. VMware will provide limited support for devices using this driver. | | | | | | | | | |
| ³ You cannot simultaneously run devices using the aacraid driver and ones using the aacraid_esx30 driver. | | | | | | | | | |
| ⁴ You cannot simultaneously run devices using the megaraid2 driver and ones using the megaraid_sas driver. | | | | | | | | | |
| ⁵ MSCS is not supported with this driver/HBA. | | | | | | | | | |
| ⁶ IBM F10/F20 is not supported with QLogic firmware version 4.00.12. An upgrade is required to firmware version 4.00.18. | | | | | | | | | |
| ⁷ You cannot simultaneously run devices using the lpfcdd_7xx driver and ones using the lpfcdd_732 driver. | | | | | | | | | |
| ⁸ You cannot simultaneously run devices using the qla2x00_7xx driver and ones using the qla2x00_707 driver. | | | | | | | | | |
| ⁹ For MCSC only. | | | | | | | | | |
| ¹⁰ ESX Server 3.0.2 Update 1. | | | | | | | | | |
| ¹¹ ESX Server 3.0.2 Patch ESX-1001902. | | | | | | | | | |
| ¹² ESX Server 3.0.2 Patch ESX-1001906. | | | | | | | | | |

Storage I/O Device and Model Information

The detailed lists show actual vendor devices that are either physically tested or are similar to the devices tested by VMware or VMware partners. VMware provides support only for the devices that are listed in this document

- [“Adaptec Storage IO Devices”](#) on page 4
- [“Dell Storage IO Devices”](#) on page 8
- [“EMC Storage IO Devices,”](#) on page 9
- [“Emulex Storage IO Devices”](#) on page 10
- [“Hewlett Packard Storage IO Devices”](#) on page 11
- [“Hitachi Data Storage IO Device”](#) on page 13
- [“IBM Storage IO Devices”](#) on page 14
- [“Intel Storage IO Devices”](#) on page 17
- [“iSCSI Software Initiator”](#) on page 17
- [“FSC Storage IO Devices”](#) on page 18
- [“LSILogic Storage IO Devices”](#) on page 18
- [“Mylex Storage IO Devices,”](#) on page 20
- [“QLogic Storage IO Devices - Fibre Channel HBA”](#) on page 20
- [“QLogic Storage Devices - iSCSI,”](#) on page 21
- [“Sun Storage IO Devices”](#) on page 22

Table 2. Adaptec Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|------------------------------|----------------|------------|------------------|------------|------------------|------------|------------------|------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| 1480A Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| SCSI RAID 2200S PCI SCSI 2ch | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| 2902/04/10/15/20/30C | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 29160 Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 29160B Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 29160C Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 29160N Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2930 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2930 Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2930C Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |

Table 2. Adaptec Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|-------------------------------|----------------|------------|------------------|------------|------------------|------------|------------------|------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| 2930CU SCSI adapter | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940 Pro Ultra | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940 Ultra2 SCSI ¹ | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940/CN Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940/DUAL Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940A Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940A/CN Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2940B Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2944 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2944 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 2950 Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3230S | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| 3240S | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| 3940 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3940 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3940A Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3944 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3944 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3944A Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3950B Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3950D Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 3960D Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 398X SCSI RAID | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 398X Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 4944 SCSI adapter | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 4944 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 5400S | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| AAA-131 Ultra2 RAID | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |

Table 2. Adaptec Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--------------------------|----------------|---------|------------------|---------|------------------|------------|------------------|------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Adaptec 5085 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec 5405 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec 5445 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec 5805 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec 51245 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec 51645 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec 52445 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec RAID 3085 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec RAID 3405 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec RAID 3805 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec RAID 31205 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| Adaptec RAID 31605 | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| AIC-7810 RAID memory | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7815 RAID memory | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7850 SCSI adapter | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7855 SCSI adapter | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7859 SCSI adapter | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7860 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7870 SCSI adapter | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7880 Ultra SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7890/91 Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7892 Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7895 Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7896/97 Ultra2 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7899 Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| AIC-7901W Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 29160 Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| 29320ALP-R Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 29320A Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 29320LP Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |

Table 2. Adaptec Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|-------------------------------|----------------|------------|------------------|------------|------------------|------------|------------------|------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| AHA29320LP_IROC | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 39320 Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 39320A Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 39320B Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 39320D Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 39320DB Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7901A_IROC | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7901B Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7902 Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7902 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7902 (Dual Ultra320 SCSI) | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7902_B_IROC | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7902_IROC | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-7902W Ultra320 SCSI | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| AIC-9410W SAS | adp94xx | 1.0.7-11 | adp94xx | 1.0.7-11 | adp94xx | 1.0.7-11 | adp94xx | 1.0.7-11 |
| ASC-29320LPE | | | | | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| 19160B Ultra160 SCSI | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 | aic7xxx | 6.3.9 |
| ICP 5045BL | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| ICP 5085BL | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| ICP 5125BR | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| ICP 5165BR | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| ICP 5805BL | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| SCSI RAID 2120S | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |

¹ Please see VMware knowledge base article 2166 (http://www.vmware.com/support/kb/enduser/std_adp.php?p_faqid=2166) for information on AHA 2940 Ultra2 SCSI performance issues.

Table 3. Dell Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|-----------------------------------|----------------|-------------|------------------|-------------|------------------|-----------------------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| AIC-7899P U160/m (PowerEdge 1750) | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| AIC-7899P U160/m (PowerEdge 2600) | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| Dell 2342M | qla2300_7xx | 7.04.00 | qlax2x_707 | 7.04.04 | qlax2x_707 | 7.04.04 | qlax2x_707 | 7.07.04.01.3vmw |
| Dell 2362M | qla2300_7xx | 7.04.00 | qlax2x_707 | 7.04.04 | qlax2x_707 | 7.04.04 | qlax2x_707 | 7.07.04.01.3vmw |
| LP10000 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| LP1050EX | lpfcdd_7xx | 7.1.14 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| LP9802 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| LP982 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| LPe1105-M | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| LPe1150 | lpfcdd_7xx | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| PERC 3/Di | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| PERC 3/Si | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| PERC 320/DC | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| PERC 4/DC ¹ | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| PERC 4/im | mptscsi | 2.05.16 | mptscsi_2xx | 2.05.16 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| PERC 4/SC | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| PERC 4e/DC | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| PERC 4e/Di ² | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| PERC 4e/Si | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| PERC 5/E | megaraid_sas | 00.00.02.00 | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{3, 4} | megaraid_sas | 3.0.9 |
| PERC 5/i | megaraid_sas | 00.00.02.00 | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{3, 4} | megaraid_sas | 3.0.9 |
| PERC 6/E | | | | | megaraid_sas | 3.0.9 ^{3, 4} | megaraid_sas | 3.0.9 |
| PERC 6/i | | | | | megaraid_sas | 3.0.9 ^{3, 4} | megaraid_sas | 3.0.9 |
| QLA2340 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2342 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2360 (2Gbs) | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2362 (2Gbs) | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2460 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2462 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |

Table 3. Dell Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|------------|------------------|------------|------------------|---------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| QLE2464 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| QME2462 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| SAS 5/I | mptscsi_2xx | 2.06.34.01 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| SAS 5/iR | mptscsi_2xx | 2.06.34.01 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| PERC = PowerEdge Expandable RAID Controller | | | | | | | | |
| ¹ Firmware upgrade 352B is not supported. For further details, refer to KB 5966817 at http://kb.vmware.com/kb/5966817 . | | | | | | | | |
| ² Firmware upgrade 522A is not supported. For further details, refer to KB 5966817 at http://kb.vmware.com/kb/5966817 . | | | | | | | | |
| ³ ESX Server 3.0.2 Update 1. | | | | | | | | |
| ⁴ ESX Server 3.0.2 Patch ESX-1001906. | | | | | | | | |

Table 4. EMC Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|----------------|----------------|------------|----------------------|------------|----------------------|--------------|----------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| LP9002-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP9002L-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP9802-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1050-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1050DC-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1050Ex-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1150-E | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP10000-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP10000 ExDC-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP10000DC-E | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP11000-E | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP11002-E | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe1150-E | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe11000-E | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe11002-E | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| QLA2340-E-SP | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2342-E-SP | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |

Table 4. EMC Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--------------|----------------|---------|------------------|---------|------------------|--------------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| QLE2360-E-SP | qla2300_7xx | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2362-E-SP | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.04.00 | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2460-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2462-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2460-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2462-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |

Table 5. Emulex Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|----------------|----------------|------------|----------------------|------------|----------------------|------------|----------------------|-------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| LP110002DC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP10000 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP10000 ExDC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP10000DC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP10000DC-M2 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1005DC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1050 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1050DC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1050Ex | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1050-F2 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP11000 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP11002 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP11002-M4 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1150 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1150-F4 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP9000/LP9002L | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP952L | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP9802 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |

Table 5. Emulex Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--------------|----------------|------------|----------------------|------------|----------------------|------------|----------------------|-------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| LP9802DC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP982 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe1050Ex | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe11000 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe11002 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe1105 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe1105-DL | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LPe1150 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| X1085A-R5 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| X1086A-R6 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| X1087A-R6 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |

Emulex HBAs directly connected to an AX100 should be using firmware version 1.91a1 and BootBIOS version 1.70a3 for Boot-From-SAN. VMware supports only direct-connect topology for the AX100, so this does not apply to other arrays.

Table 6. Hewlett Packard Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|----------------------|------------|----------------------|--------------|----------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| 300874-B21 Qlogic 2GB FC Mezzanine HBA for p-Class BladeSystem | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| 354054-B21 Qlogic 2GB FC Mezzanine HBA for p-Class BladeSystem | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| 361426-B21 Qlogic 2GB FC Mezzanine HBA for p-Class BladeSystem | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| 381881-B21 Qlogic 2GB FC Mezzanine HBA for p-Class BladeSystem | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| 394588-B21 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| 394797-B21 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| A7387A | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |

Table 6. Hewlett Packard Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|------------|----------------------|------------|----------------------|------------------------|----------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| A7388A | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| A7560A | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| FC1142SR | qla2300_707 | 7.07 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| FC1143 | qla2300_707 | 7.07 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| FC1242SR | qla2300_707 | 7.07 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| FC1243 | qla2300_707 | 7.07 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| FC2142SR | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| FC2143 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| FC2242SR | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| FC2243 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| FCA2101 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| FCA2210 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| FCA2214 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| FCA2214DC | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| FCA2404 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| FCA2404DC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| FCA2408 | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| HP NetRAID-4M | aacraid | 1.1.5-2372 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| HP SC44Ge Host Bus Adapter | | | | | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| 403621-B21 (LPe1105-HP) | lpfcdd_732 | 7.3.2_VMW1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| QLE2460 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QMH2462 4Gb FC Mezzanine HBA for c-Class Blade System | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| Smart Array 5300 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 5312 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 532 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 5i | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 6400 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 6400 EM | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |

Table 6. Hewlett Packard Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|------------------|---------|------------------|------------------------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Smart Array 6402 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 6404 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 641 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 642 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array 6i | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array E200 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array E200i | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array E500 ¹ | | | cciss | 2.4.66 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array P400 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array P400i | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array P600 | cciss | 2.4.54 | cciss | 2.4.54 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| Smart Array P800 ¹ | | | cciss | 2.4.66 | cciss | 2.4.66 ^{2, 3} | cciss | 2.4.66 |
| ¹ A certified and supported driver is available at: http://www.vmware.com/support/vi3/doc/drivercd/esx301-cciss-2.4.66.html | | | | | | | | |
| ² ESX Server 3.0.2 Update 1. | | | | | | | | |
| ³ ESX Server 3.0.2 Patch ESX-1001902. | | | | | | | | |

Table 7. Hitachi Data Storage IO Device

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|----------------|----------------|---------|------------------|---------|------------------|--------------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| QLA2340-HDS-SP | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2342-HDS-SP | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2460-HDS-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2462-HDS-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2460-HDS-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2462-HDS-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |

Table 8. IBM Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|------------|----------------------|------------|----------------------|--------------|----------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Dual-port U320 SCSI Controller | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LP1005DC | lpfcdd_7xx | 7.1.14 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1105-BC | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| LP1105BCv | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| LP1105-BU | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 | 7.3.2_vmw4 | lpfcdd_732 | 7.3.2_vmw10 |
| Emulex 4GB FC Single-Port PCI-X HBA for IBM System x | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| Emulex 4GB FC Dual-Port PCI-X HBA for IBM System x | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| Emulex 4GB FC Single-Port PCI-E HBA for IBM System x | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| Emulex 4GB FC Dual-Port PCI-E HBA for IBM System x | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| IBM DS4000 4Gbps PCI-X FC HBA, Single Port | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| IBM DS4000 4Gbps PCI-X FC HBA, Dual Port | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| IBM 4Gb FC HBA, Single Port, PCIe | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| IBM 4Gb FC HBA, Dual Port, PCIe | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| IBM SAS HBA Controller | | | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| Qlogic 4Gb SFF FC Exp Card for BladeCenter | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| Qlogic 4Gb Std FC Exp Card for BladeCenter | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| Qlogic 2422M PCI-Express x4 ASIC for 4Gb 2-Port Fibre Channel | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |

Table 8. IBM Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|------------------|-------------|------------------|-----------------------|------------------|-----------------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Qlogic 2432M PCI-Express x4 ASIC for 4Gb 2-Port Fibre Channel | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2460 QLogic 4Gb FC Single Port PCI-X for IBM System x | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2462 QLogic 4Gb FC Dual Port PCI-X for IBM System x | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2460 QLogic 4Gb FC Single Port PCIe for IBM System x | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2462 QLogic 4GB FC Dual Port PCIe for IBM System x | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLogic 4Gb Fibre Channel Expansion Card (CFFv) for IBM BladeCenter™ | | | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFFh) for IBM BladeCenter™ | | | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| QMC2462 QLogic 4Fb FC Dual Port PCI-X, BladeCenter Expansion Card, Standard Form Factor | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QMC2462s QLogic 4Gb FC Dual Port PCI-X, BladeCenter Expansion Card, Small Form Factor | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QMC4052 | | | qla4022 | 3.24 | qla4022 | 3.24 | qla4022 | 3.24 |
| QMC4052R | | | qla4022 | 3.24 | qla4022 | 3.24 | qla4022 | 3.24 |
| QMI2472 QLogic 4Gb FC Dual Port BladeCenter Expansion Card | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QMI3472 QLogic 4Gb FC Dual Port BladeCenter Expansion Card | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| MegaRAID 8480 | | | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 ^{2, 3} |

Table 8. IBM Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|------------|------------------|------------|------------------|-------------------------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| ServeRAID 4-Lx Ultra160 SCSI Controller | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID 4-Mx Ultra160 SCSI Controller | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID 5i Controller | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID-6i Controller | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID-6i+ Controller | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID-6M Controller (128MB Cache) | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID-6M Controller (256MB Cache) | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID-7k Controller | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 | ips | 7.10.17 |
| ServeRAID-8i Controller | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| ServeRAID-MR10k SAS/SATA Controller | | | | | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |
| ServeRAID-MR10M SAS/SATA Controller | | | | | megaraid_sas | 3.0.9 ² | megaraid_sas | 3.0.9 |
| IBM ServeRAID 8k SAS Controller | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| IBM ServeRAID 8k-l SAS Controller | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| IBM ServeRAID 8s | | | | | aacraid_esx30 | 1.1.5-2415 ² | aacraid_esx30 | 1.1.5-2415 |
| IBM ServeRAID 8s with Battery | | | | | aacraid_esx30 | 1.1.5-2415 ² | aacraid_esx30 | 1.1.5-2415 |
| SAS Expansion Card (CFFv) for IBM BladeCenter | | | | | mptscsi_2xx | 2.6.48 | mptscsi_2xx | 2.6.48 |
| Single Channel Ultra320 SCSI Controller ⁴ | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| IBM Ultra 320 SCSI Controller 2 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 | aic79xx | 2.0.12 |
| IBM SMB 2-Gbps Fibre Channel HBA | qla2300_707 | 7.07.04 | qla2300_707 | 7.07.04 | qla2300_707 | 7.07.04.2vmw | qla2300_707 | 7.07.04.01.3vmw |

Table 8. IBM Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|--|---------|------------------|---------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| IBM iSCSI Server Adapter | qla4010, Experimental support only | 3.10 | | | | | | |
| IBM iSCSI Server SX Adapter ¹ | | | qla4022 | 3.24 | qla4022 | 3.24 | qla4022 | 3.24 |
| IBM iSCSI Server TX Adapter ¹ | | | qla4022 | 3.24 | qla4022 | 3.24 | qla4022 | 3.24 |
| ¹ Ethernet is not supported. | | | | | | | | |
| ² ESX Server 3.0.2 Update 1. | | | | | | | | |
| ³ ESX Server 3.0.2 Patch ESX-1001906. | | | | | | | | |
| ⁴ Support for PCI-X only. | | | | | | | | |

Table 9. Intel Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|------------------|-------------|---------------------------|-------------|------------------|-------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Intel ESAA SRCAS144E | | | megaraid_sas | 00.00.02.00 | megaraid_sas ¹ | 00.00.02.00 | megaraid_sas | 00.00.02.00 |
| Intel ESAA SRCAS18E | | | megaraid_sas | 00.00.02.00 | megaraid_sas ¹ | 00.00.02.00 | megaraid_sas | 00.00.02.00 |
| Intel ESAA SRCAS1JV | | | megaraid_sas | 3.0.9 | megaraid_sas ¹ | 3.0.9 | megaraid_sas | 3.0.9 |
| Intel ESAA SRCAS1RB | | | megaraid_sas | 3.0.9 | megaraid_sas ¹ | 3.0.9 | megaraid_sas | 3.0.9 |
| ¹ ESX Server 3.0.2 Update 1. | | | | | | | | |

Table 10. iSCSI Software Initiator

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Software iSCSI ¹ | iscsimod | 3.4.2 | iscsimod | 3.4.2 | iscsimod | 3.4.2 | iscsimod | 3.4.2 |
| ¹ Supported on Intel E1000 and Broadcom running on a gigabit link only. | | | | | | | | |

Table 11. FSC Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|-------------|------------------|-------------|------------------------------|--------------|----------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| BX600-FC22Q | qla2300_7xx | 7.0.4.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| BX600-FC42E | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| RAID 0/1 SAS based on LSI MegaRAID 4P | mptscsi_2xx | 2.0.6.34/01 | mptscsi_2xx | 2.0.6.34.13 | | | | |
| RAID 0/1 SAS based on LSI MegaRAID 8P | | | mptscsi_2xx | 2.0.6.34.13 | mptscsi_2xx | 2.0.6.48 | mptscsi_2xx | 2.0.6.48 |
| RAID 5/6 SAS based on LSI MegaRAID | | | megaraid_sas | 3.0.9 | megaraid_sas ^{1, 2} | 3.0.9 | megaraid_sas | 3.0.9 |
| ¹ ESX Server 3.0.2 Update 1. | | | | | | | | |
| ² ESX Server 3.0.2 Patch ESX-1001906. | | | | | | | | |

Table 12. LSILogic Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|------------------|-------------|------------------|-----------------------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| 53C1020 PCI-X to Ultra320 SCSI | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| 53c1030 PCI-X Fusion-MPT Dual Ultra320 SCSI | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| 53c1035 PCI-X Fusion-MPT Dual Ultra320 SCSI | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| AMI MEGARAID | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| AMI MEGARAID2 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| AMI MEGARAID3 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| DISCOVERY | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| LSI MegaRAID 320-2 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| LSI MegaRAID 320-2x | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| LSI MegaRAID 320-4x | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| LSI MegaRAID 320-E ROMB | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| LSI MegaRAID 8480 | | | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |
| LSI MegaRAID 8408E | | | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |
| LSI MegaRAID 8344ELP | | | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |

Table 12. LSI Logic Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|-------------|------------------|-------------|------------------|-----------------------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| LSI MEGARAID3 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| LSI MegaRAID SAS1064/68R | megaraid_sas | 00.00.02.00 | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |
| LSI MegaRAID SAS 8308ELP | | | megaraid_sas | 00.00.02.00 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |
| LSI MegaRAID SAS 8880EM2 | | | megaraid_sas | 3.0.9 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |
| LSI U320 SCSI Controller | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSI53C1030 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| LSI53C1030 (MegaRAID) | mptscsi | 2.05.16 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSISAS3041E | mptscsi_2xx | 2.06.18 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSISAS3041x | mptscsi_2xx | 2.06.18 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSISAS3080x | mptscsi_2xx | 2.06.18 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSISASS3442E | mptscsi_2xx | 2.06.18 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| MegaRAID SCSI 320-1(Elite 1700) | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| MegaRAID SCSI 320-2X (Elite 1700 Series518) | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 | megaraid2 | 2.10.7 |
| SAS3442x | mptscsi_2xx | 2.06.18 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| SAS3444E | | | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSI1064 | mptscsi_2xx | 2.06.34/01 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSI1064E | mptscsi_2xx | 2.06.34/01 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSI1068 | mptscsi_2xx | 2.06.34/01 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSI1068E | | | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| LSI1078 MegaRAID SAS 8708ELP ¹ | | | megaraid_sas | 3.0.9 | megaraid_sas | 3.0.9 ^{2, 3} | megaraid_sas | 3.0.9 |

¹ Requires firmware: 1.10.02-0197. This requires a driver CD whose ISO is available at:
<http://www.vmware.com/support/vi3/doc/drivercd/esx301-cciss-2.4.66.html>

² ESX Server 3.0.2 Update 1.

³ ESX Server 3.0.2 Patch ESX-1001906.

Table 13. Mylex Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|----------------|----------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| AcceleRAID 352 | DAC960 | 2.4.11 | DAC960 | 2.4.11 | DAC960 | 2.4.11 | DAC960 | 2.4.11 |

Table 14. QLogic Storage IO Devices - Fibre Channel HBA

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---------------|----------------|---------|------------------|---------|------------------|--------------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| QLA2310 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2310F | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2310FL | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2312 | qla2300_7xx | 7.04.00 | qla2300_707 | 7.07.04 | qla2300_707 | 7.07.04.2vmw | qla2300_707 | 7.07.04.01.3vmw |
| QLA2340 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2340L | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2342 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2342L | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2344 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2362 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2460-E-FRU | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2460-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2462-E-FRU | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLA2462-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2360 | qla2300_7xx | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2460-E-FRU | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2460-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2462-E-FRU | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QLE2462-E-SP | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QMA2312 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QMC2462 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QMC2462s | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| QME2462 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |

Table 14. QLogic Storage IO Devices - Fibre Channel HBA (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|------------------|---------|------------------|--------------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| QMH2462 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QEM2462 4G PCI-E ExpressModule | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QLA2440 4G PCI-X2 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QLA2460 4G PCI-X2 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QLA2462 4G PCI-X2 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QLE2440 4G PCI-E | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QLE2460 4G PCI-E | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QLE2462 4G PCI-E | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QMA2312 | qla2300_7xx | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QMC2462 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QMC2462s | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QME2462 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SANblade QMH2462 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |

Table 15. QLogic Storage Devices - iSCSI

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--------------------------------|----------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| QLogic QLA4010 ¹ | qla4010 | 3.10 | | | | | | |
| QLA4050C/QLA4052C ² | | | qla4022 | 3.24 | qla4022 | 3.24 | qla4022 | 3.24 |
| QLE4060/QLE4062 | | | | | | | | |

¹ QLogic 4010 iSCSI adapter requires BIOS v1.09 and firmware v02.00.00.05, or later. In ESX Server 3.0.x, qla4010 is considered an experimental driver. VMware will provide limited support for devices using this driver.

² QLogic iSCSI adapters require minimum BIOS v1.09 and minimum firmware v2.00.00.38.

Table 16. Sun Storage IO Devices

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---------------------------------|----------------|------------|----------------------|------------|----------------------|---------------------------|----------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| SG-XPCIE2FCGBE-E-Z | | | | | lpfcdd_732 (default) | 7.3.2_vmw4 ³ | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCIE2FCGBE-Q-Z | | | | | qla2x00_707 | 7.07.04.2vmw ³ | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCIE8SAS-E-Z | | | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| SG-XPCIE8SAS-I-Z | | | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| SG-XPCIESAS-R-EXT-Z | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 ³ | aacraid_esx30 | 1.1.5-2415 |
| SG-XPCIESAS-R-REM-Z | | | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| SG-XPCI8SAS-E-Z | mptscsi_2xx | 2.06.34/01 | mptscsi_2xx | 2.06.34.13 | mptscsi_2xx | 2.06.48 | mptscsi_2xx | 2.06.48 |
| SG-XPCI8SAS-EB-Z | | | | | mptscsi_2xx | 2.06.34.01 | mptscsi_2xx | 2.06.34.01 |
| SG-XPCI1FC-EM2 | | | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCI1FC-EM4-Z | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCI1FC-QF2 ¹ | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCI1FC-QF4 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCI2FC-EM2 | | | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCI2FC-EM4-Z | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCI2FC-QF2 ¹ | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCI2FC-QF2-Z ¹ | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCI2FC-QF4 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCIE1FC-EM4 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCIE1FC-QF4 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCIE2FC-EB4-Z ² | | | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCIE2FC-EM4 | lpfcdd_732 | 7.3.2_vmw1 | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCIE2FC-QB4-Z | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCIE2FC-QF4 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SG-XPCIE20FC-NEM-Z ² | | | lpfcdd_732 (default) | 7.3.2_vmw2 | lpfcdd_732 (default) | 7.3.2_vmw4 | lpfcdd_732 (default) | 7.3.2_vmw10 |
| SG-XPCI1FC-QL2 | qla2300_707 | 7.07.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| SGXPCIESAS-R-INT-Z | | | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 | aacraid_esx30 | 1.1.5-2415 |
| StorageTek HBAQ032 | qla2300_707 | 7.04.00 | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |

¹ This OEM version of the QLogic adapter does not support boot-from-SAN.

Table 16. Sun Storage IO Devices (Continued)

| Device Model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| ² This Sun adapter does not support boot-from-SAN and is only supported with the driver update supplied in patch ESX-1541239. Download the patch from http://www.vmware.com/download/vi/ . | | | | | | | | |
| ³ ESX Server 3.0.2 Update 1. | | | | | | | | |

Network I/O Drivers and Devices

This section discusses network I/O devices and drivers in the following sections:

- “Network I/O Drivers and Versions” on page 23
- “Network I/O Device and Model Information” on page 23

Network I/O Drivers and Versions

The following table summarizes the driver versions shipped with the stated release of ESX Server software, listing the device models and driver versions.

Table 17. Drivers shipped with ESX Server software

| Class | Vendor | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------|----------------|---------|------------------|---------|------------------|----------------------------|------------------|------------|
| | | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Network | Broadcom | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| | Broadcom | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 3} | bnx2 | 1.5.10b |
| | Intel | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| | Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| | Nvidia | | | | | forcedeth | 0.60 v1.25 ^{1, 2} | forcedeth | 0.60 v1.25 |
| ¹ ESX Server 3.0.2 Update 1. | | | | | | | | | |
| ² ESX Server 3.0.2 Patch ESX-1001904. | | | | | | | | | |
| ³ ESX Server 3.0.2 Patch ESX-1001903. | | | | | | | | | |

Network I/O Device and Model Information

The detailed lists show actual vendor devices that are either physically tested or are similar to the devices tested by VMware or VMware partners. VMware provides support only for the devices listed in this document.

Please contact VMware with any questions about current and planned device support.

Devices from the following vendors are currently supported:

- [“Broadcom Networking Devices”](#) on page 24
- [“Dell Networking Devices \(Intel or Broadcom OEM\)”](#) on page 25
- [“Hewlett Packard Networking Devices \(Intel or Broadcom OEM\)”](#) on page 26
- [“IBM Networking Devices \(Intel OEM\)”](#) on page 27
- [“Intel Networking Devices”](#) on page 29
- [“Nvidia Networking Devices,”](#) on page 30
- [“Sun Networking Devices”](#) on page 31

Table 18. Broadcom Networking Devices

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|-------------------------------|----------------|---------|------------------|---------|------------------|-------------------------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| BCM 5703C | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5703S | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5704 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5704C | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5704C - Dual port | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5704S | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5706 | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| BCM 5706 based Server Adapter | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| BCM 5708 | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| BCM 5708S PCI-X to PIB Bridge | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| BCM5709 | | | | | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| BCM5701 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5702 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5703 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5704 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5704S | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5705 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5705F | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5705M | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |

Table 18. Broadcom Networking Devices (Continued)

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| BCM 5714 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5721 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5715 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5782 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5788 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM5901 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| Do not use Broadcom 5700 Rev 14 or 5701 Rev 15 for heavy traffic, VMotion, or Service Console on ESX Server 2.x and 3.x. Update your BCM5700 firmware. | | | | | | | | |
| ¹ ESX Server 3.0.2 Update 1. | | | | | | | | |
| ² ESX Server 3.0.2 Patch ESX-1001903. | | | | | | | | |

Table 19. Dell Networking Devices (Intel or Broadcom OEM)

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|--------------------|-------------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| BCM 5703 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5704 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| BCM 5708 | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b | bnx2 | 1.5.10b |
| BCM 5721, PCI-E | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| Dell PRO/100 server connections | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| Dell PRO/100 server Adapter | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| Intel Gigabit VT Quad Port Server Adapter ² | | | | | igb | 1.0.0 | igb | 1.0.0 |
| Intel PRO/1000MT Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000MT Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PT Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PT Quad Port Server Adapter | | | e1000 ¹ | ESX-1006511 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PT Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| ¹ The Intel Pro/1000 PT Quad Port Adapter is only supported with the e1000 driver update supplied in patch ESX-1006511. Download the patch from http://www.vmware.com/download/vi/ . | | | | | | | | |
| ² Requires driver CD. Igb driver 1.0.0 supports VLAN trunking mode with patch ESX-1003515. Driver ISO address: http://www.vmware.com/support/vi3/doc/drivercd/esx302-igb-1.0.0.html . | | | | | | | | |

Table 20. Hewlett Packard Networking Devices (Intel or Broadcom OEM)

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|------------------|---------|------------------|-------------------------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| HP PRO/100 Server Adapters | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| HP Gigabit Ethernet Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| NC110T | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| NC150T | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| HP NC320T | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| HP NC325m | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| HP NC326i | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| HP NC326m | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| HP NC370f | | | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| HP NC373f | | | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| HP NC374m | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| HP NC6134 Gigabit NIC | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC6136 Gigabit Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC7131 Gigabit Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC7132 Gigabit Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC 7170 Dual PCI-X 1000-T Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC6170 Dual PCI-X 1000-SX Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP ProLiant NC310F PCI-X Gigabit Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC340T PCI-X Quad-port Gigabit Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC360T PCIe Dual-port Gigabit Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC364T PCIe Quad-port Gigabit Server Adapter | | | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| HP NC373T | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1, 2} | bnx2 | 1.5.10b |
| NC7770 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NC7780 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NC7771 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NC7781 LOM | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NC7760 LOM | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NC7782 LOM | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NC7783 LOM | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |

Table 20. Hewlett Packard Networking Devices (Intel or Broadcom OEM) (Continued)

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|------------------|---------|------------------|------------------------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| NC7761 LOM | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NC1020 | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| HP NC320m | tg3 | 3.43b | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| HP NC272F | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1,2} | bnx2 | 1.5.10b |
| HP NC371i | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1,2} | bnx2 | 1.5.10b |
| HP NC373i | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1,2} | bnx2 | 1.5.10b |
| HP NC373m | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1,2} | bnx2 | 1.5.10b |
| HP NC380T | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1,2} | bnx2 | 1.5.10b |
| NC370i Integrated NIC | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1,2} | bnx2 | 1.5.10b |
| NC370T Dalhart-Lite | bnx2 | 1.3.22 | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{1,2} | bnx2 | 1.5.10b |
| ¹ ESX Server 3.0.2 Update 1. | | | | | | | | |
| ² ESX Server 3.0.2 Patch ESX-1001903. | | | | | | | | |

Table 21. IBM Networking Devices (Intel OEM)

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|--------------------|-------------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| IBM Netfinity Gigabit Ethernet SX Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| IBM Gigabit Ethernet SX Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| IBM Total Storage Gigabit Ethernet Copper Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| IBM PRO/100 server adapters | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| PRO/1000 GT Dual Port Server Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 GT Quad Port Server Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 GT Server Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 MT Dual Port Server Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 MT Server Ethernet Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 PF Server Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 PT Dual Port Server Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 PT Quad Port Server Adapter by Intel | | | e1000 ¹ | ESX-1006511 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| PRO/1000 PT Quad Port LP Server Adapter by Intel | | | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |

Table 21. IBM Networking Devices (Intel OEM) (Continued)

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|------------------|---------|------------------|-------------------------|------------------|-----------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| PRO/1000 XT Server Adapter by Intel | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| NetXtreme II 1000 Express Ethernet Adapter | bnx2 | | bnx2 | 1.3.22 | bnx2 | 1.5.10b ^{2, 3} | bnx2 | 1.5.10b |
| NetXtreme 1000 T Express Ethernet Adapter | tg3 | | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NetXtreme 1000 T + Ethernet Adapter | tg3 | | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NetXtreme 1000 T + Dual Port Ethernet Adapter | tg3 | | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NetXtreme 1000 SX + Fiber Ethernet Adapter | tg3 | | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| NetXtreme 1000 Express G Ethernet Adapter | tg3 | | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| QLogic Ethernet and 4Gb Fibre Channel Expansion Card (CFPh) for IBM BladeCenter™ | | | qla2x00_707 | 7.07.04 | qla2x00_707 | 7.07.04.2vmw | qla2x00_707 | 7.07.04.01.3vmw |
| | | | tg3 | 3.58b | tg3 | 3.58b | tg3 | 3.58b |
| ¹ The Intel Pro/1000 PT Quad Port Adapter is only supported with the e1000 driver update supplied in patch ESX-1006511. Download the patch from http://www.vmware.com/download/vi/ . | | | | | | | | |
| ² ESX Server 3.0.2 Update 1. | | | | | | | | |
| ³ ESX Server 3.0.2 Patch ESX-1001903. | | | | | | | | |

Table 22. Intel Networking Devices

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--|----------------|---------|--------------------|-------------|------------------|---------------------|------------------|--------------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Intel 80003ES2LAN Gigabit Ethernet Controller | | | | | e1000 | 7.3.15 ⁴ | e1000 | 7.3.15 |
| Intel 82562 based Fast Ethernet Connection | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| Intel 8255xER based Network Connection | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| Intel 82546GB PRO/1000 GT Quad Port Server Adapter | | | | | igb | 1.0.0 ³ | igb | 1.0.0 ³ |
| Intel Gigabit Ethernet 82575EB | | | | | igb | 1.0.1 ⁴ | igb | 1.0.1 |
| Intel Gigabit PT Quad Port Server ExpressModule | | | e1000 ² | ESX-1006511 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel Gigabit VT Quad Port Server Adapter | | | | | igb | 1.0.0 ³ | igb | 1.0.0 ³ |
| Intel PRO/100+ Management Adapter with Alert on LAN G Server | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| Intel PRO/100 server adapters | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 | e100 | 2.3.40 |
| Intel Pro/1000 GT Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel Pro/1000 GT Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 GT Quad Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PF Quad Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 MB Dual Port Server Connection | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 MF Server Adapter (LX) | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 MF Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 MT Network Connection | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 MT Server Connection | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel Pro/1000 MT Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel Pro/1000 MT Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 MT Dual Port Network Connection | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 MT Quad Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel Pro/1000 P Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PF Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PF Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PT Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PT Dual Port Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 PT Quad Port Server Adapter | | | e1000 ¹ | ESX-1006511 | e1000 | 7.3.15 | e1000 | 7.3.15 |

Table 22. Intel Networking Devices (Continued)

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|------------------|---------|------------------|---------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| Intel PRO/1000 PT Quad Port LP Server Adapter | | | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 XF Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 XT Network Connection | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| Intel PRO/1000 XT Server Adapter | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| ¹ The Intel Pro/1000 PT Quad Port Adapter is only supported with the e1000 driver update supplied in patch ESX-1006511. Download the patch from http://www.vmware.com/download/vi/ . | | | | | | | | |
| ² Requires patch ESX-1006511. | | | | | | | | |
| ³ Requires driver CD. Igb driver 1.0.0 supports VLAN trunking mode with patch ESX-1003515. Driver ISO address: http://www.vmware.com/support/vi3/doc/drivercd/esx302-igb-1.0.0.html . | | | | | | | | |
| ⁴ ESX Server 3.0.2 Update 1. | | | | | | | | |

Table 23. Nvidia Networking Devices

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|---|----------------|---------|------------------|---------|------------------|---------------------------|------------------|------------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| NVIDIA nForce Professional 2200 MCP 1Gbe NIC | | | | | forcedeth | 0.60 v1.25 ^{1,2} | forcedeth | 0.60 v1.25 |
| NVIDIA nForce Professional 2050 I/O companion chip 1Gbe NIC | | | | | forcedeth | 0.60 v1.25 ^{1,2} | forcedeth | 0.60 v1.25 |
| NVIDIA nForce Professional 3600 1Gbe NIC | | | | | forcedeth | 0.60 v1.25 ^{1,2} | forcedeth | 0.60 v1.25 |
| ¹ ESX Server 3.0.2 Update 1. | | | | | | | | |
| ² ESX Server 3.0.2 Patch ESX-1001904. | | | | | | | | |

Table 24. Sun Networking Devices

| Device model | ESX Server 3.0 | | ESX Server 3.0.1 | | ESX Server 3.0.2 | | ESX Server 3.0.3 | |
|--------------------|----------------|---------|------------------|---------|------------------|---------------------|------------------|---------|
| | Driver | Version | Driver | Version | Driver | Version | Driver | Version |
| SG-XPCIE2FCGBE-E-Z | | | | | e1000 | 7.3.15 [†] | e1000 | 7.3.15 |
| SG-XPCIE2FCGBE-Q-Z | | | | | e1000 | 7.3.15 [†] | e1000 | 7.3.15 |
| X4446A-Z | | | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X5040A-Z | | | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X7280A-2 | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X7281A-2 | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X7282A-Z | | | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X7283A-Z | | | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X7284A-Z | | | | | e1000 | 7.3.15 [†] | e1000 | 7.3.15 |
| X7285A | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X7286A | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X7291A | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X9271A | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X9272A | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X9273A | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |
| X9273A-Z | e1000 | 7.0.33 | e1000 | 7.3.15 | e1000 | 7.3.15 | e1000 | 7.3.15 |

[†] ESX Server 3.0.2 Update 1.

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