

Sun Fire X2270 M2 Server Product Notes



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Preface

This preface describes related documentation, available documentation formats, and the process for submitting feedback to Oracle. It also includes a document change history.

- “Related Books” on page 5
- “About This Documentation (PDF and HTML)” on page 7
- “Documentation Comments” on page 7
- “Download Server System Tools and Drivers” on page 7
- “Documents History” on page 8

Related Books

The following is a list of documents related to Oracle's Sun Fire X2270 M2 server. These and additional support documents are available on the [library page](#) at:

<http://www.oracle.com/pls/topic/lookup?ctx=sfx2270m2&id=homepage>.

Document Group	Document	Description
Sun Fire X2270 M2 Server-Specific Documentation	Sun Fire X2270 M2 Server Product Documentation	Integrated HTML version of all starred (*) documents, including Search and Index.
	<i>Sun Fire X2270 M2 Server Getting Started Guide</i>	Pictorial setup quick reference.
	<i>Sun Fire X2270 M2 Server Installation Guide*</i>	How to install, rack, and configure the server up to initial power-on.
	<i>Sun Fire X2270 M2 Server Product Notes*</i>	Important late-breaking information about the server.
	<i>Sun Installation Assistant 2.3 through 2.4 User's Guide for x64 Servers*</i>	An Oracle tool used to perform an assisted installation of a supported Windows or Linux OS, upgrade firmware (regardless of OS), and other tasks.
	<i>Sun Fire X2270 M2 Server Installation Guide for Oracle Solaris Operating Systems*</i>	How to install the Oracle Solaris OS on your server.

Document Group	Document	Description
	<i>Sun Fire X2270 M2 Server Installation Guide for Oracle VM*</i>	How to install Oracle VM on your server.
	<i>Sun Fire X2270 M2 Server Installation Guide for Linux Operating Systems*</i>	How to install a supported Linux OS on your server.
	<i>Sun Fire X2270 M2 Server Installation Guide for Windows Operating Systems*</i>	How to install supported versions of Microsoft Windows on your server.
	<i>Sun Fire X2270 M2 Server Installation Guide for ESX Software*</i>	How to install supported versions of the ESX OS on your server.
	<i>Integrated Lights Out Manager Supplement for the Sun Fire X2270 M2 Server*</i>	Version-specific supplemental information for your server's Integrated Lights Out Manager.
	<i>Sun Fire X2270 M2 Server Diagnostics Guide*</i>	How to diagnose problems with your server.
	<i>Sun Fire X2270 M2 Server Service Manual*</i>	How to service and maintain your server.
	<i>Sun Fire X2270 M2 Server Safety and Compliance Guide</i>	Safety and compliance information about your server.
Oracle Integrated Controller Disk Management	<i>Sun x64 Server Disk Management Overview</i>	Information about managing your server storage.
x64 Servers Applications and Utilities Reference Documentation	<i>Sun x64 Server Utilities Reference Manual</i>	How to use the available utilities included with your server.
Integrated Lights Out Manager (ILOM) 3.0 Documentation	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Feature Updates and Release Notes</i>	Information about new ILOM features.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Getting Started Guide</i>	Overview of ILOM 3.0.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Concepts Guide</i>	Conceptual information about ILOM 3.0.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Web Interface Procedures Guide</i>	How to use ILOM through the web interface.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 CLI Procedures Guide</i>	How to use ILOM through commands.

Document Group	Document	Description
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 SNMP and IPMI Procedures Guide</i>	How to use SNMP and IPMI commands.
	<i>Oracle Integrated Lights Out Manager (ILOM) 3.0 Management Protocols Reference Guide</i>	Information about management protocols.

About This Documentation (PDF and HTML)

This documentation set is available in both portable document format (PDF) and HTML. The information is presented in topic-based format (similar to online help) and therefore does not include chapters, appendices, or section numbering.

Documentation Comments

Oracle is interested in improving product documentation and welcomes your comments and suggestions. You can submit comments by going to this link:

<http://www.oracle-surveys.com/se.ashx?s=25113745587BE578>

▼ Download Server System Tools and Drivers

Patches and the Tools and Drivers CD/DVD ISO image file for your server are now available by from My Oracle Support (MOS). Use this procedure to access server-specific downloads on MOS.

- 1 **Go to <http://support.oracle.com>.**
- 2 **Sign in to My Oracle Support.**
- 3 **At the top of the page, click the Patches and Updates tab.**
The Patches and Updates screen appears.
- 4 **In the Search screen, click Product or Family (Advanced Search).**
The screen appears with search fields.
- 5 **In the Product field, select the product from the drop-down list.**
Alternatively, type a full or partial product name (for example, Sun Fire X2270 M2) until a match appears.

- 6 In the Release field, select the release from the drop-down list.**
Expand the folders to see the component offerings.
- 7 Click Search.**
A list of updates (patches) appears.
- 8 To select a patch, click the check boxes next to the patch name (you can select more than one patch).**
A popup action panel appears. The panel contains several action options.
- 9 To download the update, click Download in the popup panel.**
The download begins automatically.

Documents History

- May 2010, initial publication
- June 2010, collection refresh, revisions to –11
- March 2011, *Product Notes* document updated for document errata and SW v1.1.0 and SW v1.2.0 releases. *Windows Operating System Installation Guide* revised for document errata. *Oracle Solaris Operating System Installation Guide* revised for document errata. Service Manual revised for document errata.
- September 2011, *Product Notes* and *OS Installation Guides* updated for SW v1.3.0 release.
- September 2012, *Product Notes* updated for SW v1.4.0 release.

Sun Fire X2270 M2 Server Product Notes

This *Product Notes* document provides up-to-date information about supported components, firmware, and software for the Sun Fire X2270 M2 server.

This section contains the following topics:

- “General Information” on page 9
- “Known Open Issues” on page 13

General Information

This section contains the following topics:

- “Firmware Version History” on page 9
- “Supported Operating Systems” on page 10
- “Updated Hardware Support” on page 11
- “Operating System Driver Version History” on page 11
- “Support and Patches for the Sun Fire X2270 M2 Server” on page 12
- “Additional Download Options for Sun Fire X2270 M2 Server” on page 12
- “Getting Documentation for Sun Fire X2270 M2 Server” on page 12
- “Documentation Errata” on page 12

Firmware Version History

Note – Always update your server firmware to the latest version as soon as possible. *Do not* downgrade your server firmware unless advised to do so.

Software release version 1.3 is available in September, 2011. The following table contains the firmware component version numbers for each software release.

Firmware Component	ILOM/SP Version	BIOS version	CPLD version	Pc-Check version
SW v1.0.0	3.0.9.20_r54775	2.03	004	6.24s

Firmware Component	ILOM/SP Version	BIOS version	CPLD version	Pc-Check version
SW v1.1.0	3.0.9.20_r57453	2.05	004	6.24s
SW v1.2.0	3.0.9.20.b_r60439	2.07	004	6.27s
SW v1.3.0	3.0.9.20c_r65614	2.07	004	6.27s
SW v1.4.0	3.0.9.20.d_r75513	2.08	004	6.27s

Supported Operating Systems

This section contains updated listings of the supported versions of operating systems for the Sun Fire X2270 M2 server:

- [“Updated OS Support” on page 10](#)
- [“Supported Versions of Operating Systems” on page 10](#)

Updated OS Support

With the release of software version 1.3, OS support now includes the following:

- Oracle Linux Release 6.1
- Oracle Linux Release 5.6
- Oracle VM 2.2.2
- Windows 2008 R2 Server SP1
- Red Hat Enterprise Linux 6.1
- Red Hat Enterprise Linux 5.6
- Suse Linux Enterprise Server 10 SP4
- VMWare 4.1 ESX/ESXi U1

Supported Versions of Operating Systems

The following lists show the current supported operating systems.

- **Oracle operating systems:**
 - Oracle Solaris 10 09/10
 - Oracle Linux 6.1
 - Oracle Linux 5.6
 - Oracle VM 2.2.2
- **Windows OS:**
 - Microsoft Windows Server 2008, Standard Edition (64-bit)
 - Microsoft Windows Server 2008, Enterprise Edition (64-bit)
 - Microsoft Windows Server 2008 R2, Standard Edition (64-bit)
 - Microsoft Windows Server 2008 R2, Enterprise Edition (64-bit)

- Microsoft Windows Server 2008 R2, Datacenter Edition (64-bit)
- Microsoft Windows 2008 R2 Server SP1
- **Third-party Linux and VMware operating systems:**
 - SLES 11 SP1
 - SLES 10 SP4
 - RHEL 6.1
 - RHEL 5.6
 - VMWare 4.1 ESX/ESXi U1

Updated Hardware Support

With the release of software version 1.2, the server included support for the following hardware components:

- Intel CPU X5675
- Intel CPU E5649

Operating System Driver Version History

The following table contains the OS driver version numbers for each software release.

Operating Systems	SW v1.0.0	SW v1.1.0	SW v1.2.0	SW v1.3.0
Windows	<ul style="list-style-type: none"> ▪ Intel chipset: 9.1.1.1019 ▪ AHCI/IMSM: 8.9.0.1023 ▪ Intel NIC: 14.8 ▪ AST 2100: 090 	No change	No change	No change
Linux	<ul style="list-style-type: none"> ▪ Intel NIC: igb 2.1.1 ▪ AST 2100: 090 	No change	No change	No change
Oracle Solaris	<ul style="list-style-type: none"> ▪ AST 2100: 090 	No change	No change	No change

Support and Patches for the Sun Fire X2270 M2 Server

Support information and patches for the Sun Fire X2270 M2 server are available on My Oracle Support at <https://support.oracle.com>. For information about accessing My Oracle Support, see “Download Server System Tools and Drivers” on page 7.

Additional Download Options for Sun Fire X2270 M2 Server

Use My Oracle Support (<https://support.oracle.com>) as a source for server-specific downloads. However, for the Sun Fire X2270 M2 server, server-specific downloads might also be available at:

- ILOM and BIOS firmware: <http://www.oracle.com/technetwork/systems/patches/firmware/release-history-jsp-138416.html#X2270M2>
- Tools and Drivers CD/DVD: <http://wikis.sun.com/display/SystemsComm/Sun+Fire+X2270+M2+Server#tab:Downloads>

Getting Documentation for Sun Fire X2270 M2 Server

To obtain the latest product documentation for the Sun Fire X2270 M2 server, go to the <http://download.oracle.com/docs/cd/E19902-01/index.html>.

Documentation Errata

The following sections describe errors that appeared in documentation:

- “Supported Windows OS List” on page 12
- “FMods Not Supported for the Sun Fire X2270 M2 Server” on page 12

Supported Windows OS List

The list of supported versions of Windows operating systems in the –10 version of the *Sun Fire X2270 M2 Server Installation Guide for Windows Operating System* was incorrect. For a current list of supported operating systems, see “Supported Operating Systems” on page 10.

FMods Not Supported for the Sun Fire X2270 M2 Server

The –10 version of the *Sun Fire X2270 M2 Server Installation Guide for Windows Operating System* and the –10 version of the *Sun Fire X2270 M2 Server Installation Guide for Oracle Solaris Operating System* incorrectly list flash-memory modules (FMods) as an installation target. The Sun Fire X2270 M2 server does *not* support FMods.

Related Information:

[“Getting Documentation for Sun Fire X2270 M2 Server” on page 12](#)

Known Open Issues

Most issues are associated with a change request (CR) reference number. Oracle personnel use the CR number internally to keep track of the current status of issues.

- [“Hardware Known Issues” on page 13](#)
- [“BIOS Known Issues” on page 15](#)
- [“ILOM Known Issues” on page 16](#)
- [“Oracle Solaris 10 OS Known Issues” on page 17](#)
- [“Linux Known Issues” on page 19](#)
- [“Windows Known Issues” on page 21](#)
- [“Sun Installation Assistant Known Issues” on page 22](#)
- [“Pc-Check Issues” on page 24](#)

Hardware Known Issues

CR	Description
N/A	Hard Drive 'OK to Remove/Fault' LED Function Not Supported
	Issue: The HD Coral brackets have a label for the OK to Remove/Fault LED.
	Affected Hardware and Software: <ul style="list-style-type: none"> ▪ All releases
	Workaround: None. The LEDs are not supported on the Sun Fire X2270 M2 Server.
N/A	Bottom USB Port on Motherboard Cannot Be Used
	Issue: Due to mechanical reasons, the bottom USB port that is located internally on the chassis motherboard cannot be used.
	Affected Hardware and Software: <ul style="list-style-type: none"> ▪ All releases
	Workaround: Use the top USB port on the chassis motherboard.

CR	Description
6971156	4 GB LVDIMM Supported with SW release v1.1.0
	<p>Issue:</p> <p>Support for 4 GB 1.35V DIMMs and 4 GB 1.5V DIMMs is available with software release v1.1.0. With SW release v1.1.0, the Sun Fire X2270 M2 server DIMM support is expanded to include both 4 GB and 8 GB DIMMs.</p> <p>New DIMM Population Rules:</p> <p>The Sun Fire X2270 M2 server supports mixing of 1.35V and 1.5V DIMMs under the following rules:</p> <ul style="list-style-type: none"> ■ Only 4 GB DIMMs support mixing of 1.35V and 1.5V DIMMs. ■ Each CPU can only support one type of DIMM. For example, populating CPU 0 with 4 GB 1.5V DIMMs and populating CPU 1 with 4 GB 1.35V DIMMs is a valid supported configuration. However, populating either CPU with a mix of 1.35V and 1.5V DIMMs is an invalid and unsupported configuration. <p>Note – The next revision of the Sun Fire X2270 M2 Server Service Manual will be updated to reflect these new DIMM population rules.</p>
6803507	Serial Port Sharing Should Default to the Service Processor
	<p>Issue:</p> <p>When a firmware update or downgrade occurs, and the system configuration is not preserved, the serial port ownership should default to the service processor (SP) and not to the host. When the serial port ownership reverts to the host, the SP IP address information is lost, and the user cannot manage the system.</p>
	<p>Workaround:</p> <p>To avoid being locked out, you must have a direct keyboard and monitor attached to the system.</p>
6803145	SNMPv3 Traps Are Not Received When Using MD5 Authentication
	<p>Issue:</p> <p>SNMPv3 traps are not being received when MD5 authentication is used in the server configuration. The behavior is the same when MD5 authentication is selected with DES encryption or with no (None) encryption.</p>
	<p>Affected Hardware and Software:</p>
	<p>Workaround:</p> <p>None. This issue is under investigation.</p>
6932468	Back Up Motherboard (MB) FRUID Information before replacing the MB.
	<p>Issue:</p> <p>See same CR in “ILOM Known Issues” on page 16</p>

BIOS Known Issues

CR	Description
6974667	BIOS Reads Incorrect MAC Address
	Issue: When a Northstar PCIe card is installed, the BIOS might read the MAC address of the card instead of the MAC address of the motherboard.
	Update to SW version 1.2. With the release of software release version 1.2, this issue is <i>resolved and closed</i> .
N/A	Entering the RAID Configuration Utility
	Issue: When configuring a system for RAID in the system BIOS, the Intel RAID utility screen that lets users access the utility might flash too quickly on the screen, causing users to miss which keys to select in order to enter the utility.
	Workaround: If this occurs, select <code>Ctrl + I</code> after the initial POST screen when the system performs the memory test.
N/A	SP Console Serial Port Inherits Host Settings
	Issue: When the serial port is switched from the host console to the SP console, the SP console login prompt changes to all CAPS. All further characters that are typed at the console are entered as CAPS.
	Workaround: Select <code>Ctrl + C</code> to return to a normal login prompt.
N/A	Date and Time Do Not Match Between BIOS and Service Processor
	Issue: If the SP and BIOS firmware is corrupted and then recovered, the SP and BIOS time will not match.
	Workaround: Manually update the SP and BIOS date and time, or configure ILOM to use a network time protocol (NTP) server.
6809522	BIOS Only Boots From the First HD Listed in the Boot List Order

CR	Description
	<p>Issue:</p> <p>Using /SP/BootList to control the boot order through ILOM, the BIOS will only boot from the first hard disk drive (HD) listed.</p>
	<p>Workaround:</p> <p>If you need to boot from another HD listed in the boot order, change the HD to the primary boot disk in the BIOS boot order list.</p>
6937671	<p>Selectable De-Emphasis Default Value is 6 dB</p>
	<p>Issue:</p> <p>After loading Optimal Default Values, the Selectable De-Emphasis value is 6 dB and not 3.5 dB</p>
	<p>Affected Software:</p> <p>All supported versions of operating systems</p>
	<p>Workaround:</p> <p>Access the BIOS Setup Utility > Integrated Devices screen and change the Selectable De-emphasis value to 3.5 dB</p>

ILOM Known Issues

CR	Description
6800702, 6813782	<p>Storage Redirection Not Supported on ILOM Remote Console with 64-bit JDK</p>
	<p>Issue:</p> <p>An attempt to start storage redirection might fail when using a 64-bit JRE (Java runtime environment) to launch the ILOM Remote Console. Since the 64-bit JRE is the default on a 64-bit system, you might also need to download a 32-bit JRE. When using a 64-bit JRE to start storage redirection, an “Unsupported platform” error appears.</p>
	<p>Workaround:</p> <p>Install a 32-bit JRE on the 64-bit system. JREs can be downloaded at:</p> <p>http://java.com/en/download/index.jsp</p>
6932468	<p>Back Up Motherboard (MB) FRUID Information before replacing the MB.</p>

CR	Description
	<p>Issue:</p> <p>TLI records are stored in motherboard (MB) FRUID and in the SP filesystem. In a situation in which the MB needs to be replaced, the FRUID information on the MB must be backed up before the MB replacement occurs.</p>
	<p>Affected Software:</p> <p>All supported versions of operating systems</p>
	<p>Workaround/Fix:</p> <p>Perform the FRUID backup and MB replacement procedures in the server service manual.</p>

Oracle Solaris 10 OS Known Issues

CR	Description
6790472	<p>Virtual CD/DVD ROM Not Available Through Redirection in Oracle Solaris 10 OS</p> <p>Issue:</p> <p>When the Sun Fire X2270 M2 Server is running Oracle Solaris 10 OS and another system is connecting to a RKVM (remote keyboard, video, and mouse) session through the X2270 M2 SP, the virtual CD-ROM will not mount on the Oracle Solaris 10 OS system until volmgt is stopped.</p> <p>Affected Hardware and Software:</p> <ul style="list-style-type: none"> ■ Oracle Solaris 10 OS <p>Workaround:</p> <p>To stop volmgt, type the command: <code>/etc/init.d/volmgt stop</code></p>
6909505,	<p>Network test case fails when running SunVTS v7.0PS7 or VTS v7.0PS8</p> <p>Issue:</p> <p>When running SunVTS v7.0PS7 or VTS v7.0PS8, the network test case fails the "Online Stress" and "Component Stress" tests. The root cause is that the FMA module in the Oracle Solaris 10 OS cannot fully support the CPU.</p> <p>Affected Operating Systems and Hardware:</p> <ul style="list-style-type: none"> ■ Oracle Solaris 10 10/09 OS ■ SunVTS <p>Workaround:</p> <p>Attach the external loopback during the network test.</p> <p>Resolution planned for the next version of the Oracle Solaris 10 OS.</p>

CR	Description
6930723	SunVTS v7PS8 Network Testing Fails With 10 Gb 2-port Niantic (Intel) card.
	<p>Issue:</p> <p>Loopback errors occur when running System Exerciser test mode in SunVTS v7PS8 network with a Niantic 10 Gb 2-port card.</p>
	<p>Affected Operating Systems and Hardware:</p> <ul style="list-style-type: none"> ■ SunVTS v7PS8 ■ Niantic 10 Gb NIC ■ Oracle Solaris 10 10/09 OS driver: ixgbe
	<p>Workaround:</p> <p>Use VTS external loopback test as a workaround.</p>
6919562	Correctable Memory Errors is Interpreted Incorrectly When Using the fmdump -V Commands.
	<p>Issue:</p> <p>Correctable memory errors appear in the log file after executing the fmdump -V commands as an undiag fault, defect . sunos . eft . undiag . fme. In the Oracle Solaris OS message log, there is corresponding message, the ID is SUNOS-8000-FU.</p> <p>To identify the DIMM location in FMA log, please follow the list below.</p> <p>Processor 0:</p> <ul style="list-style-type: none"> ■ D0: chip 0, controller 0, channel 0, DIMM 1 ■ D1: chip 0, controller 0, channel 0, DIMM 0 ■ D2: chip 0, controller 0, channel 1, DIMM 1 ■ D3: chip 0, controller 0, channel 1, DIMM 0 ■ D4: chip 0, controller 0, channel 2, DIMM 1 ■ D5: chip 0, controller 0, channel 2, DIMM 0 <p>Processor 1:</p> <ul style="list-style-type: none"> ■ D0: chip 1, controller 0, channel 0, DIMM 1 ■ D1: chip 1, controller 0, channel 0, DIMM 0 ■ D2: chip 1, controller 0, channel 1, DIMM 1 ■ D3: chip 1, controller 0, channel 1, DIMM 0 ■ D4: chip 1, controller 0, channel 2, DIMM 1 ■ D5: chip 1, controller 0, channel 2, DIMM 0
	<p>Affected Operating Systems and Hardware:</p> <p>Oracle Solaris 10 10/09 OS</p>

CR	Description
	<p>Workaround:</p> <p>You can safely ignore these messages. A fix is planned as a patch for the Oracle Solaris 10 10/09 OS.</p>

Linux Known Issues

CR	Description
N/A	<p>IPMI Service Fails to Start</p> <p>Issue:</p> <p>IPMI service fails to start in RHEL 4.7 and SLES 10 SP2.</p> <p>Affected Software:</p> <ul style="list-style-type: none"> ■ RHEL 4.7 ■ SLES 10 SP2 <p>Workaround:</p> <p>To start IPMI service:</p> <ol style="list-style-type: none"> 1. Review the dmidecode output to determine the KCS base port address. For example, Base Address: 0x000000000000CA2 (I/O) 2. From the terminal window, type the following command, entering the base address from the previous step for <base address>. modprobe ipmi_si type="kcs" ports=< base address > regspacing="4" 3. To start the IPMI service, type the following command: service ipmi start
N/A	<p>Mouse Cursor Disappears</p> <p>Issue:</p> <p>The mouse cursor disappears after running the <code>install.sh</code> script on SLES 10 SP2.</p> <p>Affected Software:</p> <ul style="list-style-type: none"> ■ SLES 10 SP2 <p>Workaround:</p> <p>After running the script, restart the server by using the keyboard hot keys or a command line entry from the terminal window. Once the server restarts, the mouse cursor appears.</p>
N/A	<p>Mouse Cursor Moves Erratically During SLES 10 SP2 Installation</p>

CR	Description
	<p>Issue:</p> <p>The mouse experiences erratic movements during the SLES 10 SP2 installation.</p>
	<p>Affected Software:</p> <ul style="list-style-type: none"> ■ SLES 10 SP2
	<p>Workaround:</p> <p>Log in to ILOM, navigate to the Remote Control --> Mouse Mode Settings tab. From the Mouse Mode drop-down list, select Relative.</p>
6982212	<p>ACPI Warning Messages During SLES Installation</p>
	<p>Issue:</p> <p>When installing SLES 11 SP1, the following warning message might appear:</p> <p>ACPI Warning for SB : OSC invalid UUID – Found integer, expected Buffer (20090903/nspredef-1006)</p>
	<p>Affected Software:</p> <p>SLES 11 SP1</p>
	<p>Resolution:</p> <p>Ignore. This is an OS limitation, no functional impact.</p>
6974030	<p>SLES won't boot from 2 TB hard drive after installation</p>
	<p>Issue:</p> <p>After SLES 10 SP3 installation on a 2 TB hard drive, the OS doesn't boot.</p>
	<p>Affected Software:</p> <p>SLES 10 SP3</p>
	<p>Workaround:</p> <p>This is a limitation of the OS. Create an separate partition called '/boot' and put it ahead of the root partition.</p>
6935620, 6935621	<p>SIA 2.3 Does Not Support OEL 5.4 and SLES 10 SP3.</p>
	<p>Issue:</p> <p>No support for OEL 5.4 and SLES 10 SP3 in Sun Installation Assistant 2.3.</p>
	<p>Affected Software:</p> <ul style="list-style-type: none"> ■ OEL 5.4 ■ SLES 10 SP3

CR	Description
	<p>Workaround:</p> <p>Upgrade SIA. Support available in SIA 2.4</p>

Windows Known Issues

CR	Description
N/A	<p>Windows Server 2003 Installation Requires a Boot Driver</p> <p>Issue:</p> <p>If installing Windows Server 2003 32-bit 64-bit in AHCI mode, a boot driver is required.</p> <p>Affected Software:</p> <ul style="list-style-type: none"> ■ Windows Server 2003 <p>Workaround:</p> <p>The floppy driver/floppy image can be located on the Sun Fire X2270 M2 Server Tools and Drivers CD.</p>
N/A	<p>Windows Server 2008 Detects Disk Ordering Differently</p> <p>Issue:</p> <p>If installing Windows Server 2008 OS, the OS detects the disk ordering differently than the BIOS when in AHCI mode.</p> <p>Affected Software:</p> <ul style="list-style-type: none"> ■ Windows Server 2008 <p>Workaround:</p> <p>Install the AHCI driver from the Tools and Drivers CD prior to partitioning the disk during the Windows OS installation. Once the updated AHCI driver is installed, the disk layout is detected correctly. For instructions on installing the AHCI driver, see the Sun Fire X2270 M2 Server Installation Guide for Windows Operating System.</p>
6932464	<p>Windows 2008 Cannot Support Partitions Greater Than 2 TB</p> <p>Issue:</p> <p>During RAID (0,5,10) setup, creating a partition greater than 2 TB causes the Windows 2008 installation to fail with the following message:</p> <p>Windows is unable to find a system volume that meets its criteria for installation.</p> <p>This limitation is for Windows file systems. Windows does not support file system partitions greater than 2 TB.</p>

CR	Description
	Affected Software and Hardware: <ul style="list-style-type: none">■ Windows 2008■ 2 TB HD
	Workaround: Keep file system size less than 2 TB and make the data volume greater than 2 TB.

Sun Installation Assistant Known Issues

CR	Description
6796419	OS Does Not Boot if Installing SLES With SIA in IDE Mode
	Issue: If you are installing SLES 10 SP2 with Sun Installation Assistant (SIA) and the on-board controller is configured in IDE mode, the OS does not boot after installation.
	Affected Software: <ul style="list-style-type: none">■ SLES 10 SP2

CR	Description
	<p>Workaround:</p> <p>Choose one of the following workaround:</p> <ul style="list-style-type: none"> ■ Install SLES 10 SP2 without the use of Sun Installation Assistant. ■ Do not use IDE mode for the on-board controller. Instead, use the default AHCI mode. ■ If you must use IDE mode, manually edit the GRUB menu by performing the following procedure: <ol style="list-style-type: none"> 1. During the installation, choose the OS you want to boot. 2. In the Boot Options field, add the following: root=/dev/sda2 resume=/dev/sda1 3. To make these changes permanent, do the following: <ol style="list-style-type: none"> a. After the OS is started, modify the GRUB menu by typing the following command in a terminal window: vi /boot/grub/menu.1st b. Modify the root= entry in the kernel line for GRUB menu entries: title Linux title Failsafe with the following: root=/dev/sda2 <p>Note that the root= entry is similar to the following: root=/dev/diskby-id/ata-SEAGATE_STN7250SBSUN500G_0703C0MRBS_5Q0MRBS-part2</p> <p>Similarly, change the resume= entry from resume=/dev/hda1 to resume=/dev/sda1</p> c. Save /boot/grub/menu.1st by typing the following command: :wq
6788702	<p>Enhanced IDE Mode Is Not Supported With SIA</p>
	<p>Issue:</p> <p>If you are installing Linux with SIA, no disks are found if the on-board controller is configured for Enhanced IDE mode.</p>
	<p>Affected Software:</p> <ul style="list-style-type: none"> ■ Red Hat Enterprise Linux 4.7/5.3 and SUSE Linux Enterprise Server 10 SP2
	<p>Workaround:</p> <p>Do not use Enhanced IDE mode. Instead, use either AHCI mode or Compatible IDE mode.</p>
6935620, 6935621	<p>SIA 2.3 Does Not Support OEL 5.4 and SLES 10 SP3</p>

CR	Description
	Issue: No support for OEL 5.4 and SLES 10 SP3 in SIA 2.3.
	Affected Software: <ul style="list-style-type: none">■ OEL 5.4■ SLES 10 SP3
	Workaround: None. Support planned for SIA 2.4

Pc-Check Issues

CR	Description
6948615	Timeout Waiting for Pc-Check to Start Issue: After setting the server to boot to Pc-Check and rebooting, the server might timeout waiting for Pc-Check to start. Affected Software: All supported versions of operating systems Workaround: Reboot the server and try again.
