

# Important Note for SGI® Altix® XE1200 Cluster Systems

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This document describes the Silicon Graphics (SGI) and third party customer manuals that may be used with your Altix XE1200 cluster system.

Notations after each third-party document explain any discrepancies between products or features described and those that SGI supports as standard or optional components of the Altix XE1200 cluster systems.

## Altix XE1200 Configuration Overview

The configuration of a cluster system generally requires the same steps as configuration of individual hosts. However, there are some additional methods required and tasks that may need to be done. The *SGI Altix XE210 User's Guide* and *SGI Altix XE240 User's Guide* can help you configure the Altix hosts in your cluster system, and additionally when a cluster management package is being used, it can also help you install and configure all hosts on the system.

Note that any Altix XE1200 cluster of greater than 288 systems must be arranged through SGI Professional Services.

In addition to the documents listed in the following section, SGI release notes are also available at: <http://docs.sgi.com>

## SGI System Documents

The following Silicon Graphics system documents may be useful or necessary while configuring and operating your Altix XE1200 cluster system:

- *SGI Altix® XE210 System User's Guide*, Publication Number 007-4870-00x (2006)
- *SGI Altix® XE240 System User's Guide*, Publication Number 007-4873-00x (2006)

These guides cover general operation, configuration and servicing of the Altix XE210 or Altix XE240 compute modules that act as the core technology within the Altix XE1200 cluster.

- *Porting IRIX® Applications to SGI® Altix® Platforms: SGI ProPack™ for Linux®* Publication Number 007-4674-00x (2004)

This manual may be useful for any administrator porting existing IRIX applications to Linux.

- *SGI Altix® Systems Dual-Port Gigabit Ethernet Board User's Guide*, Publication Number 007-4326-00x (2006)

This guide describes the two versions of the optional SGI dual-port Gigabit Ethernet board, shows you how to connect the boards to an Ethernet network, and explains how to operate the boards. You can use the dual-port Gigabit Ethernet board to replace or supplement the built-in Ethernet network adapters in your system.

- *SGI 10-Gigabit Ethernet Network Adapter User's Guide*, Publication Number 007-4669-00x (2006)

This guide describes the SGI 10-Gigabit (Gbit) Ethernet network adapter. It shows you how to connect the adapter to an Ethernet network and explains how to operate the adapter. The manual also provides information on how to performance tune this high-speed interface card.

- *SGI ProPack 5 for Linux Start Here*, Publication Number 007-4837-00x (2006)

This document provides information about the SGI ProPack 5 for Linux release, including the major features of the release, flowcharts of disk partitions and file configurations.

For internet access to these and other SGI documents, see the SGI Technical Publications Library at: <http://docs.sgi.com>. Various formats are available. This library contains the most recent and most comprehensive set of online books, release notes, man pages, and other information

## Third-Party Clustering Documents

The SGI Altix XE1200 Cluster is provided in different configurations (different interface speeds) and not all the third-party documents listed here will be applicable to every system. Note that Linux is the only operating system supported with the SGI Altix XE1200 cluster.

- *Voltaire® HCA-4x0 User Manual*, Publication Number 399Z00007 (2006) Release AAA-BAA

This document describes how to install and configure the Voltaire HCA-4x0 Linux based InfiniBand software and the hardware interface cards needed for a cluster.

The HCA-4x0 User Manual covers a number of technical features that are not supported with the Altix XE1200 cluster products. These include SDP, CM and GSI.

For a complete listing of supported and non-supported host stack components, see the release notes section on: "Voltaire InfiniBand Stack for SGI Altix Systems". The release notes for the stack will be included in the Voltaire software CD.

- *Voltaire® ISR 9024S/D Installation Manual*, Publication Number 399Z00002 Release AAA-CAA

This manual covers unpacking, installation, configuration, and power-up information as well as basic troubleshooting information for the 24-port InfiniBand Switch Routers.

- *Voltaire ISR 9288/ISR 9096 Installation Manual*, Publication Number 399Z40000 Release AAA-AAB

This manual covers unpacking, installation, configuration, and power-up information as well as basic troubleshooting information for the 96-port and 288-port InfiniBand Switch Routers.

- *Voltaire® Switch User Manual*, Publication Number 399Z00038 Release AAA-AAA

This manual covers technical descriptions and use of different switches; ISR9024, ISR9600 and ISR9288. Only the ISR9024, ISR9600 and ISR9288 are supported options for the Altix XE1200 cluster product. Information on managing switch usage via the Voltaire Device Manager CLI or GUI, and basic diagnostics are also covered in this manual.

- *SMC® TigerStack™ II Gigabit Ethernet Switch Installation Guide, (2006)*

Use this guide to install or configure the SMC8824M 24-port switch and the SMC8848M 48-port switch. These are stackable 10/100/1000 base-T switches used with Altix XE1200 clusters.

- *SMC® TigerStack™ II Gigabit Ethernet Switch Management Guide, (2006)*

Use this guide to manage the operations of your SMC8824M 24-port switch or SMC8848M 48-port switch.

- *Scali Manage™ User's Guide, (2006)*

This document provides an overview of a Scali system in terms of instructions for building a Scali system. Configuration guidelines for hardware and software are covered along with instructions on use and general management of the cluster system.

- *Scali Manage™ Installation Guide, (2006)*

This document describes the Scali Manage software installer that helps the user with installation of the OS, Scali software and third-party applications that are installed as RPMs.

## **SGI Customer Support**

SGI provides a comprehensive product support and maintenance program for its products. If you are in North America and would like support for your SGI products, contact the SGI Global Customer Support Center at +1 800 800 4SGI, or contact your authorized service provider.

Contact details for countries outside North America can be found at:

<http://www.sgi.com/support/supportcenters.html>

You may also contact the authorized distributor in your country.

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