



# **Intel Modular Server and VTrak E-Class Supported Configurations**

VERSION: 1.1  
DATE: October 30, 2008

This document is intended as a reference guide for Promise Technology and Intel Modular Server partners only. The document is subject to change without notice.

## Copyright

©2008 Promise Technology, Inc. All Rights Reserved.

No part of this document may be reproduced or transmitted in any form without the expressed, written permission of Promise Technology, Inc.

## Trademarks

Promise Technology and VTrak are trademarks or registered trademarks of Promise Technology, Inc. Other trademarks are the property of their respective owners.

## Revision History

<b>Version</b>	<b>Date</b>	<b>Author</b>	<b>Notes</b>
0.9	10/23/08	Mark Chauvin	Initial Draft
1.0	10/27/08	Daniel Doornbos	Formatting
1.1	10/30/08	Daniel Doornbos	New diagrams, new explanations

## Overview

This document outlines the supported configurations between the Intel Modular Server (IMS) and Promise VTrak E-Class subsystem.

Promise Technology only supports the connection of the Intel Storage Controller Module (SCM) with the Promise VTrak E310s/E610s. The connection between the SCM and VTrak is made via SAS cables with SFF-8088 Mini-SAS external connectors. The SCM corresponds to Intel product code AXXSCM3S.

## Prerequisites

In order to configure the SCM with the VTrak, the following configuration is required:

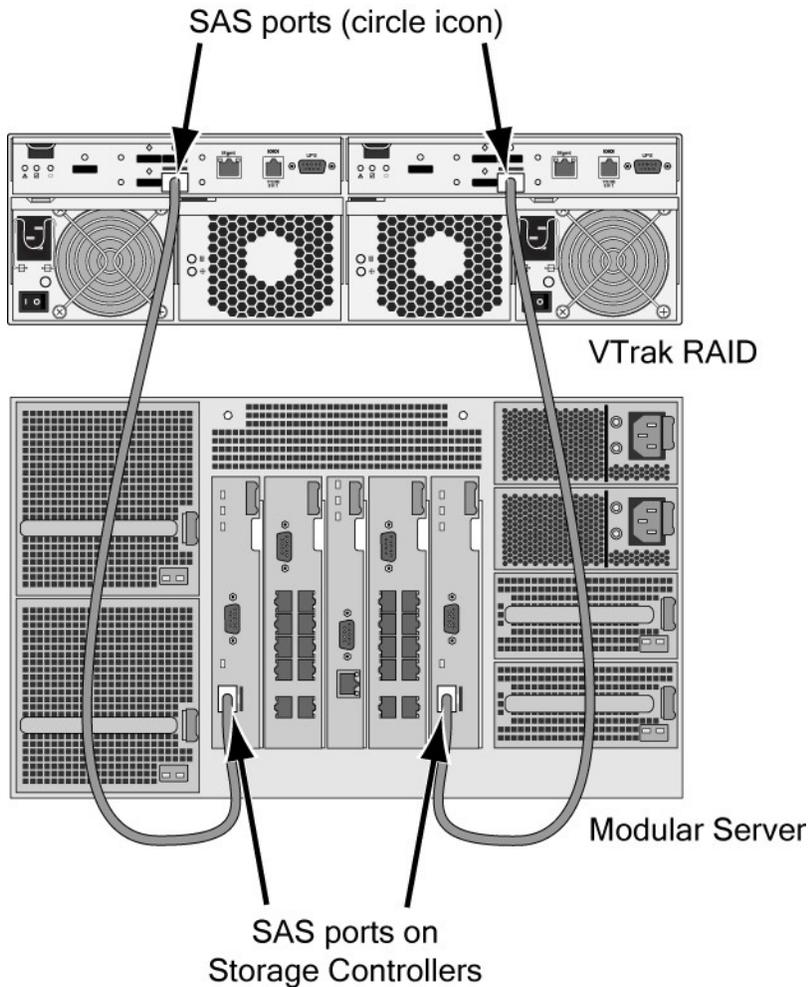
- External Port is enabled in SCM\*
  - LUNs are available on VTrak
  - LUNs are associated with SCM initiators\*
- \* *See the IMS to VTrak E-Class Connection Guide in the Promise Knowledgebase for setup information.*

## Cable Connections

The cable connections for the four supported configurations are shown on the following pages:

- I. SCM to VTrak, page 4
- II. SCM to VTrak with JBOD expansion, page 5
- III. SCM to Cascaded VTrak, page 6
- IV. SCM to Cascaded VTrak with JBOD expansion, page 7

## Configuration I: SCM to VTrak



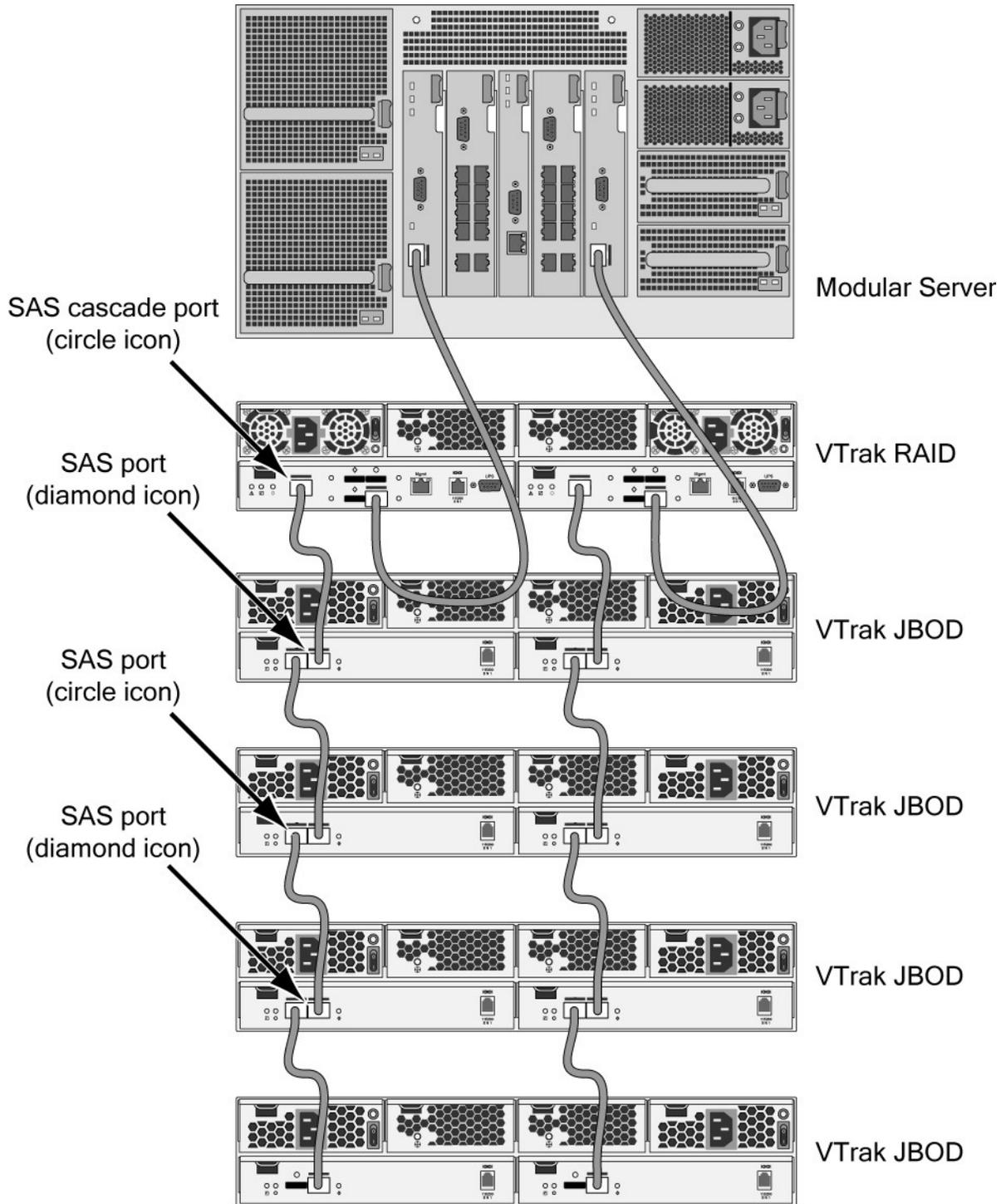
Single controller connection: One SCM connected to one VTrak controller.

Dual Controller Requirements:

- LUN Affinity Disabled on VTrak.
- Intel Software Package upgraded to dual-controller.
- Use the Intel MPIO.

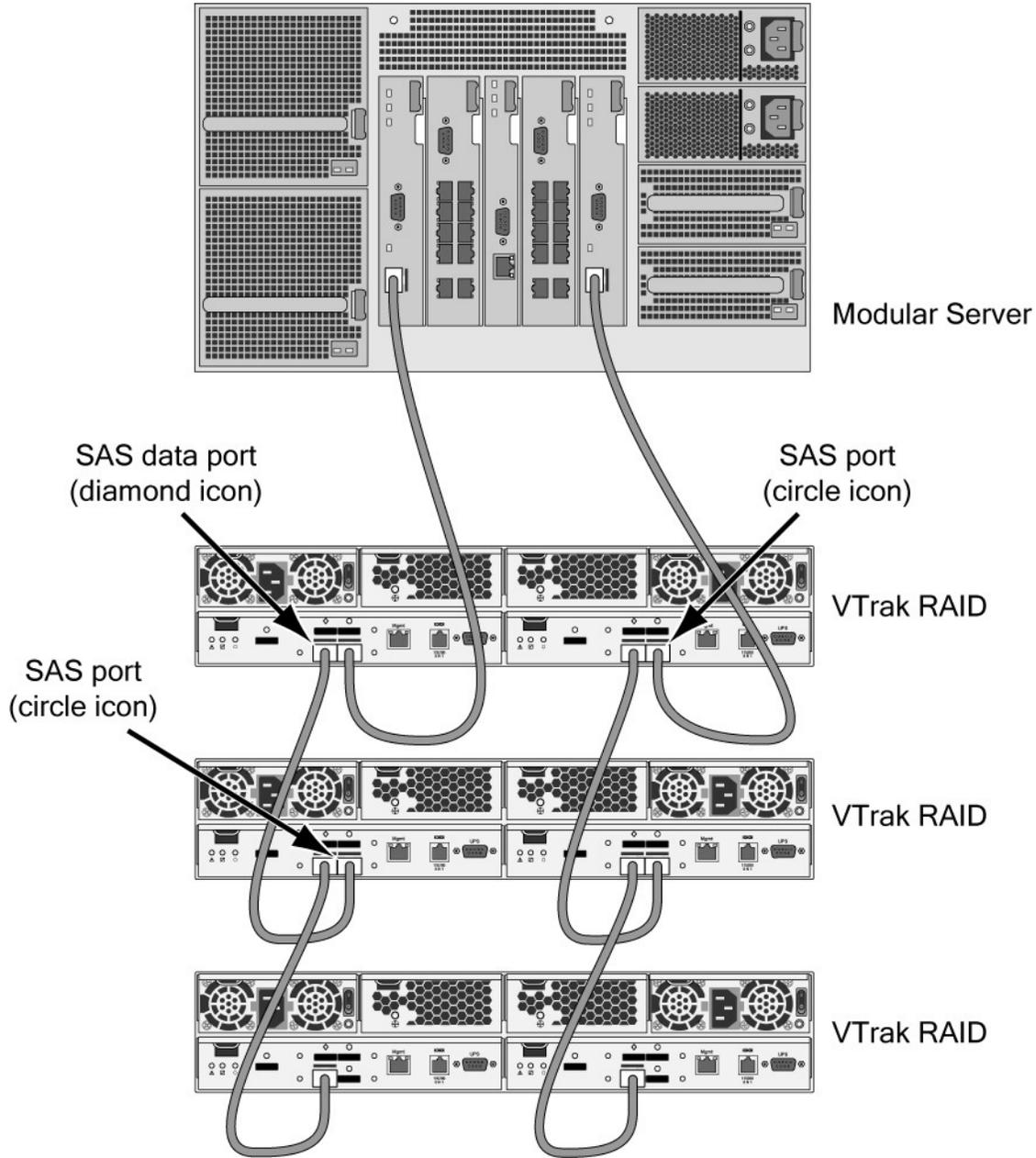
Do not install or use Promise PerfectPath.

## Configuration II: SCM to VTrak with JBOD Expansion



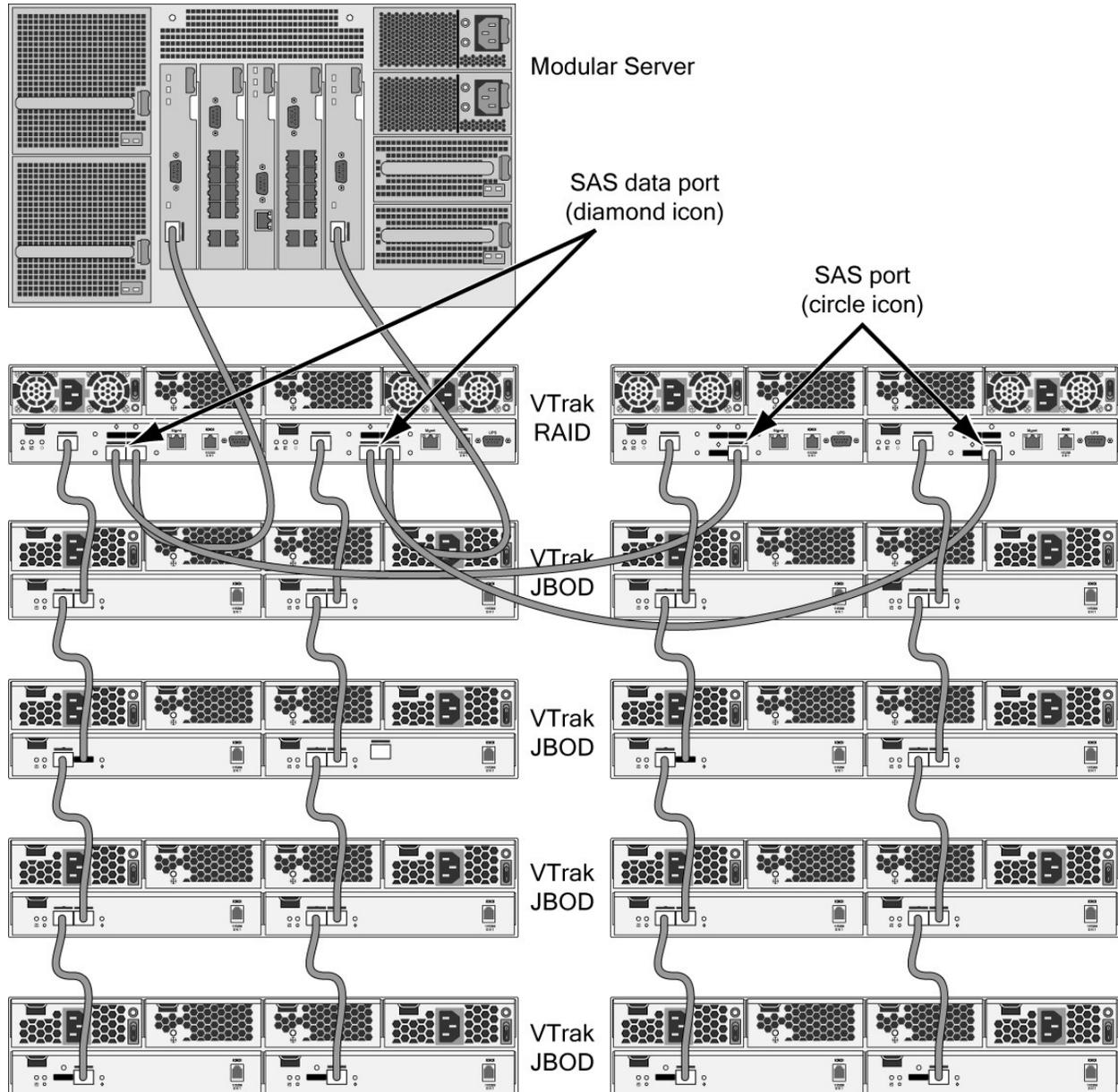
Up to four VTrak J310/J610 JBOD chassis can be expanded together.

### Configuration III: SCM to Cascaded VTraks



Up to four VTrak E310/E610 subsystems can be cascaded together.

## Configuration IV: SCM to Cascaded VTraks with JBOD Expansion



In this diagram, the cascade moves to the right, expansion moves down.

Up to four VTrak E310/E610 subsystems can be cascaded together.

Up to four VTrak J310/J610 JBOD chassis can be expanded together under each subsystem.