



Novell* SuSE* Testing Services
Enterprise Platforms and Services Division

Intel® Server Board

S3420GP

Server Test Submission (STS) Report

For Novell* SuSE* Linux Certification

Rev 1.0

Oct 21st, 2009

This report describes the Intel® Server Board S3420GP Novell* SuSE* Linux Certification test run conducted by Intel Enterprise Platforms and Services Division (EPSD). The –NR designation in the product name indicates that this certification applies to non-RAID configuration.

Purpose of this submission:

First time system submission for the Novell* SuSE* Linux Certification for the Intel® Server Board S3420.

Submission Type:	Reason for test run	Check one
First Time Submission	Initial Novell* SuSE* Linux Certification submission. New product submission.	<input checked="" type="checkbox"/>
System Update	Hardware update. (For example, update submission test run with new processor speeds).	<input type="checkbox"/>
BIOS Update	BIOS and/or firmware update. (For example, update submission test run with new BIOS to support additional processor speeds).	<input type="checkbox"/>
OS Update	OS update. (For example, update submission test run to add new version of Novell* SuSE* Linux to product).	<input type="checkbox"/>

Revision History and Disclaimers

Revision	Date	Comments
1.0	10/21/2009	Internal release STS Report for Novell* SuSE* Linux Certification Submission for the Intel® Server Board S3420

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Introduction

This report provides an overview of the testing conducted on the Intel® Server Board S3420 by Intel EPSD and provides details about this testing run.

Overview of Contents

Section	Content
Introduction	Briefly describes the sections in the report and lists relevant terms and definitions.
Server Product Submission Information	Submission information and configuration information.

Terms and Definitions

Term	Definitions
EPSD	Enterprise Platforms and Services Division
STS	Server Test Submission Report published by EPSD

Server Board Submission Information

Intel Server Board Submission Report: Completion of WLP

Data in this section reflects system submission information at the time of the Novell* SuSE* Linux Certification submission.

Submission Information

Submission ID		
Submission ID	#130446,#130456,#130457,#130472,#130473,#130474	
Submission Type		
	Check Submission Type	Comments
First-Time Hardware and Driver Test Submission	<input checked="" type="checkbox"/>	
System Update Test Submission	<input type="checkbox"/>	
Product Category		
Hardware Category	PC System or Server	
Operating System family	Novell* SuSE* Linux Enterprise Server 11	
Product Detail		
General Product Information		
Equipment Type	Server	
Primary Target Market	Business/Corporate	
Compliance	All applicable requirements	

Server Board Configuration Information

Processor	
Quantity	1
Front Side Bus Speed / QPI	6.40 GT/s (Gigatransfers per sec)
Family/Model	Intel® Xeon Quad-core Processor 3400 series
Speed	1.86, 2.4, 2.53, 2.66, 2.80, and 2.93 GHz
System Memory	
Amount Installed	12 GB
Memory Type	DDR3, 1066MHz, ECC RDIMM
Server Board Product	
Board PBA	E51974-401(LX MB) /E51976-401(LC MB)
Board Manufacturer	Intel Corporation
Board Model	Intel® Server Board S3420
North Bridge Chipset Manufacturer	Intel Corporation
North Bridge Chipset Model	N/A
South Bridge Chipset Manufacturer	Intel Corporation
South Bridge Chipset Model	Intel® 3420 PCH
BIOS	
BIOS Manufacturer	AMI*
BIOS Version	S3420GP.86B.01.00.0027
BIOS Date	Sep 11, 2009
BIOS URL (For Updates)	http://support.intel.com/support/motherboards/server/S3420GP

Appendix A – Submission History

Novell* SuSE* Linux Certification submission history for the Intel® Server Board S3420:

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
#130446, #130456, #130457, #130472, #130473, #130474	First Time	[10/13/2009] [10/14/2009] [10/14/2009] [10/15/2009] [10/15/2009] [10/15/2009]	Novell* SuSE* Linux Enterprise Server 11	1.86, 2.4, 2.53, 2.66, 2.80, and 2.93 GHz	[-401]	S3420GP.86B.01.00.0027