



**Red Hat\* Testing Services**  
**Enterprise Platforms and Services Division**

**Intel<sup>®</sup> Server Board S3420GPLX**  
**Intel<sup>®</sup> Server Board S3420GPLC**  
**Intel<sup>®</sup> Server System SR1630GP**  
**Intel<sup>®</sup> Server System SR1630HGP**

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**Server Test Submission (STS) Report**

**For Red Hat\* Enterprise Linux Certification**

**Rev [1.0]**

**[Sep. 24th, 2009]**

This report describes the Intel<sup>®</sup> Server Board S3420GPLX/LC Red Hat\* Enterprise 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 Red Hat\* Enterprise Linux Certification for the Intel<sup>®</sup> Server Board S3420GPLX/LC.

Submission Type:	Reason for test run	Check one
First Time Submission	Initial Red Hat* Enterprise 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 Red Hat* Linux to product).	<input type="checkbox"/>

## Revision History and Disclaimers

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Revision	Date	Comments
1.0	09/24/2009	Internal release STS Report for Red Hat* Enterprise Linux Certification Submission for the Intel® Server Board S3420GPLX/LC .

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# Introduction

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This report provides an overview of the testing conducted on the Intel® Server Board S3420GPLX/LC 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

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## Intel Server Board Submission Report: Completion of WLP

Data in this section reflects system submission information at the time of the Red Hat\* Enterprise Linux Certification submission.

### Submission Information

Submission ID		
Submission ID	524539(LX MB)	
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	Red Hat* Enterprise Linux	
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 X3400 series
Speed	1.86, 2.4, 2.53, 2.66, 2.80, and 2.93 GHz
System Memory	
Amount Installed	32 GB(LX MB) /12 GB(LC MB)
Memory Type	DDR3, 1333MHz, ECC RDIMM
Server Board Product	
Board PBA	E51974-401(LX MB) / E51976-401(LC MB)
Board Manufacturer	Intel Corporation
Board Model	Intel® Server Board S3420GPLX(LC)
North Bridge Chipset Manufacturer	N/A
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.01.00.0026
BIOS Date	09/01/2009
BIOS URL (For Updates)	<a href="http://www.intel.com/support/motherboards/server/s3420gp/index.htm">http://www.intel.com/support/motherboards/server/s3420gp/index.htm</a>

## Appendix A – Submission History

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Red Hat\* Enterprise Linux Certification submission history for the Intel® Server Board S3420GPLX/LC:

Submission ID	Type	Date	OS Qualified	Processor Speeds	Board Revision	BIOS Version
524539 (LX MB)	First Time	[09/23/2009]	Red Hat* Enterprise Linux 5 U4	[1.86, 2.4, 2.53, 2.66, 2.8 and 2.93] GHz	-401	S3420GP.86B.01.00.0026
524542 (LC MB)	First Time	[09/23/2009]	Red Hat* Enterprise Linux 5 U4	[1.86, 2.4, 2.53, 2.66, 2.8 and 2.93] GHz	-401	S3420GP.86B.01.00.0026