



# Intel® Desktop Board DG31GL

Windows Vista Basic Certified

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## Motherboard Logo Program (MLP) Report

4/1/2008

**Purpose:**

This report describes the DG31GL Motherboard Logo Program testing run conducted by Intel Corporation.

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# Introduction

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## Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
WLK	Windows Logo Kit
MLP	Motherboard Logo Program. For further information see: <a href="http://www.microsoft.com/whdc/hwtest/default.msp">http://www.microsoft.com/whdc/hwtest/default.msp</a>
AP	Audio Precision
Winqual	Windows Qualification
MSFT Tested Product List	Tested Products List. You can view the Windows Marketplace for tested products list at: <a href="http://winqual.microsoft.com/HCL/ProductList.aspx?m=v&amp;cid=105&amp;q=s">http://winqual.microsoft.com/HCL/ProductList.aspx?m=v&amp;cid=105&amp;q=s</a>

# Desktop Board Configuration

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## Desktop Board DG31GL Final Configuration Report: Completion of MLP

Data in this section reflects system configuration at time of MLP submission.

### Board Information

Product Code <sup>1</sup>	BIOS String/Model	Technologies NOT Logo'd (yet)
DG31GL	GLG3110H.86A.0004.2008.0318.2223	N/A - all technologies logo'd
<b>Processor</b>		
Speed	2.83 GHz	
Family	Intel® Core 2 Quad Q9550	
Bus Speed	800 MHz	
<b>Motherboard</b>		
Board AA #	E33911	
Board FAB #	200	
<b>* This report applies to the production FAB revision; Please consult your Intel Corporation representative to clarify the motherboard revision you intend to perform logo testing if not the same.</b>		
<b>System Memory</b>		
Total Memory Installed	4 GB	
Speed	667Mhz	
Memory Type	DIMM	
Connector Type	DDR2, 240 Pin	
<b>Power Management</b>		
BIOS Default	S3	
<b>Operating System Tested</b>		
	<b>Check Tested</b>	<b>Comments</b>
Windows XP Pro	<input checked="" type="checkbox"/>	XP Pro with Service e Pack 2
Windows XP Pro 64-bit	<input checked="" type="checkbox"/>	XP Pro with Service Pack 1
Windows Vista	<input checked="" type="checkbox"/>	RTM Build 6000

Windows Vista 64-bit	<input checked="" type="checkbox"/>	RTM Build 6000
Windows Vista Basic	<input type="checkbox"/>	RTM Build 6000
Windows Vista Basic 64-bit	<input type="checkbox"/>	RTM Build 6000

### Onboard Integrated Devices and Drivers

Technology	OS	Version
<b>Chipset Update Utility</b> Intel® Chipset Software Utility	Windows XP Pro	8.4.0.1016
	Windows XP Pro 64-bit	8.4.0.1016
<b>Graphics</b> Intel® Graphics Media Accelerator	Windows XP Pro	6.14.10.4837
	Windows XP Pro 64-bit	6.14.10.4837
<b>Audio</b> Realtek	Windows XP Pro	5.10.0.5574
	Windows XP Pro 64-bit	5.10.0.5574
<b>LAN</b> Realtek	Windows XP Pro	8.0.47.0
	Windows XP Pro 64-bit	8.0.47.0

Technology	OS	Version
<b>Chipset Update Utility</b> Intel® Chipset Software Utility	Windows Vista	OS Native
	Windows Vista 64-bit	OS Native
<b>Graphics</b> Intel® Graphics Media Accelerator	Windows Vista	7.14.10.1329
	Windows Vista 64-bit	7.14.10.1329
<b>Audio</b> Realtek	Windows Vista	6.0.1.5574
	Windows Vista 64-bit	6.0.1.5574
<b>LAN</b> Realtek	Windows Vista	8.0.47.0
	Windows Vista 64-bit	8.0.47.0

## Windows Logo Kit Used (WLK)

Microsoft website: <http://www.microsoft.com/whdc/devtools/wdk/WDKpkg.msp>

Please check regularly for test kit updates from Microsoft. Please ensure latest filters updated prior to WHQL run.

Operating Systems	Notes	WHQL Testkit
Windows XP Pro Windows XP Pro 64-bit	<a href="#">WLK for Windows XP SP2</a>	<a href="#">WLK 1.1 for Windows XP SP2</a>
Windows Vista Windows Vista 64-bit	<a href="#">WLK for Windows Vista SP1</a>	<a href="#">WLK 1.1 for Windows Vista SP1</a>

## Errata / Contingency

Operating System	Failing Test	Expiry date	ID Number	Type	Error Description

## Test Notes

Operating System	Test	Description
XP and Vista	BIOS download	Internal: <a href="http://bios.intel.com/downloads/">http://bios.intel.com/downloads/</a> External: <a href="http://www.intel.com/">http://www.intel.com/</a> click on Support and Download
XP and Vista	BIOS setup	Please make sure the BIOS setting as below. System Date and Time: Current date and time Peripheral Configuration: Enable all onboard component Drive Configuration: Set to IDE Chipset Configuration: Enable HPET ACPI Suspend State: Set to <S3 State> Boot Device Priority: set <Hard Disk Driver> to first
XP and Vista Filter update	DTM WHQL test	<a href="http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filtersupdates.cab">http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filtersupdates.cab</a>
Special H/W,S/W, steps to PASS WLK WHQL test	Resstomp	Disabled HPET to pass this test under Windows XP. Microsoft confirmed that currently no Timer API supported under XP but Vista