Motherboard Logo Program (MLP)

Intel® Desktop Board DG35EC

MLP Report

6/17/2008

Purpose:

This report describes the DG35EC Motherboard Logo Program testing run conducted by Intel Corporation.

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Contents

Introduction 4

Terms and Definitions 4

Desktop Board Configuration 5

Desktop Board DG35EC Final Configuration Report: Completion of MLP 5

Board Information 5

Product Code 5

Processor 5

Motherboard 5

System Memory 5

Power Management 5

Operating System Tested 5

Onboard Integrated Devices and Driver ..... **Error! Bookmark not defined.**

Driver Test Manager Used (DTM) 6

Errata and Contingencies 7

Test Notes 8

Introduction

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
DTM	Driver Test Manager
MLP	Motherboard Logo Program. For further information see: http://www.microsoft.com/whdc/hwtest/default.mspx
AP Machine	Audio Precision Machine
Winqual	Windows Qualification
MSFT Tested Product List	Tested Products List. You can view the Windows Marketplace for tested products list at: http://winqual.microsoft.com/HCL/ProductList.aspx?m=v&cid=105&g=s

Desktop Board Configuration

Desktop Board DG35EC Final Configuration Report: Completion of MLP

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

Board Information

Product Code[1]	BIOS String/Model	Technologies NOT Logo'd (yet)
DG35EC	ECG3510M.86A.0072.2008.0410.1942	N/A - all technologies logo'd
Processor		
Speed	3.00 GHz	
Family	Intel® Core™2 Extreme	
Bus Speed	1333 MHz	
Motherboard		
Board AA #	E29266	
Board FAB #	200	
* 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.		
System Memory		
Speed	Dual Channel, DDR2, 800 MHz	
Memory Type	DIMM	
Connector Type	DDR2, 240 Pin	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	**Comments**
Windows XP Pro	☑	XP Pro with Service Pack 3
Windows XP Pro 64-bit	☑	XP Pro with Service Pack 2
Windows Vista	☑	Vista Ultimate with Service Pack 1
Windows Vista 64-bit	☑	Vista Ultimate with Service Pack 1
Windows Vista Basic	☐	Vista Basic with Service Pack 1
Windows Vista Basic 64-bit	☐	Vista Basic with Service Pack 1

[1] These are the product names to enter in the "Submission ID of previously logo'd qualified PC system or server" field during your "System Using a Previously Logo'd Motherboard" submission to Microsoft.

Onboard Integrated Devices and Driver for XP Pro 32 and 64bit

Technology	OS	Version
Chipset Update Utility Intel® Chipset Software Utility	**Windows XP Pro**	8.4.0.1016
	Windows XP Pro 64-bit	8.4.0.1016
Graphics Intel® Graphics Media Accelerator	**Windows XP Pro**	14.32.3.4906
	Windows XP Pro 64-bit	14.32.3.64.4906
Audio Realtek	**Windows XP Pro**	5532
	Windows XP Pro 64-bit	5532
LAN Intel® PRO Network Connections	**Windows XP Pro**	12.1
	Windows XP Pro 64-bit	12.1

Onboard Integrated Devices and Driver for Vista 32 and 64 bit

Technology	OS	Version
Chipset Update Utility Intel® Chipset Software Utility	**Windows Vista**	9.0.0.1007
	Windows Vista 64-bit	9.0.0.1007
Graphics Intel® Graphics Media Accelerator	**Windows Vista**	15.9.0.1472
	Windows Vista 64-bit	15.9.64.1472
Audio Realtek	**Windows Vista**	5605
	Windows Vista 64-bit	5605
LAN Intel® PRO Network Connections	**Windows Vista**	13.0.1
	Windows Vista 64-bit	13.0.1

Driver Test Manager Used (DTM)

Microsoft website: http://www.microsoft.com/whdc/DevTools/WDK/DTM.mspx

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	DTM for Windows XP SP3	DTM for Windows XP SP3
Windows Vista Windows Vista 64-bit	DTM for Windows Vista SP1 @ WLK1.2	DTM for Windows Vista SP1 @ WLK1.2

Errata and Contingencies

Operating System	Failing Test	Expiry date	ID Number	Type	Error Description
Windows Vista Windows Vista 64-bit	1) Fidelity Test (System, Manual) 2) HDAudio Class Driver Fidelity Test (System, Manual)	8/1/2008	1182	Erratum	The following test cases in Fidelity Test are new for WLK 1.2 and were not previewed in WLK 1.1: * Render System Activity Test * Capture Input Level Test * Capture Skew Test * Capture THD+N Test * Capture Dynamic Range Test * Capture Frequency Response Test
Windows Vista Windows Vista 64-bit	PCI Hardware Compliance Test For System Running Windows Vista (PCIHCT)	1/1//2009	1029	Erratum	Assertion 4BA8F23A-6BB1-48EE-88D8-ED1A3ECD34B9 SSVID register of the Subsystem ID and Subsystem Vendor ID Capability table must be read-only . Assertion 6B0F606E-DBB3-4B8C-8879-32B302412EB8 SSID register of the Subsystem ID and Subsystem Vendor ID Capability table must be read-only . Assertion B576282C-5C66-4253-A275-257F5D49EFEF SSVID register of the Subsystem ID and Subsystem Vendor ID Capability table cannot have a value of 0h. These are valid failures but are not a requirement till January 2009. A filter is being created for the above assertions for this particular device. Added failure: Assertion 7A5587BC-5646-4DC4-9A5D-22F85AB2204E PCI Express ports and bridges must implement Subsystem ID and Subsystem Vendor ID Capability.
Windows Vista Windows Vista 64-bit	UAA Test-Vista(System)	7/31/2009	534	Erratum	UAA Test requires the Traffic Priority bit to be read/write - however there are two specs that apply, and they conflict. One says the bit must be read/write, the other says it must be read-only. Contact has been made with the author of both specs (Intel) but until this point is clarified we cannot fail submissions containing this test failure.

Test Notes

Operating System	Test	Description
XP and Vista	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
XP and Vista	BIOS setup	Please make sure the BIOS setting are as below, otherwise use default settings. 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	http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab
Special H/W that use to PASS the test	None	None