



Motherboard Logo Program (MLP)

Intel® Desktop Board

DH57DD

MLP Report

3/24/2011

Purpose:

This report describes the DH57DD Motherboard Logo Program testing run conducted by Intel Corporation.

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Introduction

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
WLK	Windows Logo Kits
MLP	Motherboard Logo Program. For further information see: http://www.microsoft.com/whdc/hwtest/default.msp
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&q=s

Desktop Board Configuration

Desktop Board DH57DD 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)
DH57DD	JGIBX10J.86A.0368.2010.0227.0651	N/A - all technologies logo'd
Processor		
Speed	2.93GHz	
Family	Intel® Core™ CPU 870	
Bus Speed	1333Mhz	
Motherboard		
Board AA #	AAE82022-202	
Board FAB #	B	
<i>* 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.</i>		
System Memory		
Speed	Dual Channel, DDR3, 1333MHz	
Memory Type	DIMM	
Connector Type	DDR3, 240 Pin	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	Comments
Windows 7 and 64-bit	<input checked="" type="checkbox"/>	Windows 7 Ultimate
Windows Vista and 64-bit	<input checked="" type="checkbox"/>	Vista Ultimate with Service Pack 2

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 Vista 32-bit and 64-bit

Technology	OS	Version
Chipset Update Utility Intel® Chipset Software Utility	Windows Vista	9.1.1.1025
	Windows Vista 64-bit	9.1.1.1025
Audio Realtek High Definition Audio	Windows Vista	6.0.1.6013
	Windows Vista 64-bit	6.0.1.6013
LAN Intel® 82578DC Gigabit Network Connection	Windows Vista	11.5.10.0
	Windows Vista 64-bit	11.5.10.0
ME Intel® Management Engine Interface	Windows Vista	6.0.0.1179
	Windows Vista 64-bit	6.0.0.1179

Onboard Integrated Devices and Driver for Windows 7 32-bit and 64-bit

Technology	OS	Version
Chipset Update Utility Intel® Chipset Software Utility	Windows 7	9.1.1.1025
	Windows 7 64-bit	9.1.1.1025
Audio Realtek High Definition Audio	Windows 7	6.0.1.6013
	Windows 7 64-bit	6.0.1.6013
LAN Intel® 82578DC Gigabit Network Connection	Windows 7	Windows Vista
	Windows 7 64-bit	Windows Vista 64-bit
ME Intel® Management Engine Interface	Windows 7	Windows Vista
	Windows 7 64-bit	Windows Vista 64-bit

Windows Logo Kits Used (WLK)

Microsoft website: <http://www.microsoft.com/whdc/DevTools/WDK/DTM.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 Vista Windows Vista 64-bit	WLK1.5 for Windows Vista SP2	WLK1.5 for Windows Vista SP2
Windows 7	WLK1.5 for Windows 7	WLK1.5 for Windows 7

Windows 7 64-bit		
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Errata and Contingencies

Operating System	Failing Test	Expiry date	ID Number	Type	Error Description
Vista /Vista 64	Fidelity Test - Vista (System, Manual)	08/09/2010	2562	Erratum	Fidelity Render Power Transition test does not work properly.
	HDAudio Class Driver Fidelity Test - Vista (System, Manual)	07/31/2011	1670		EU restrictions place a cap on the output level of headphone jacks at 32 Ohm load: headphones are not allowed to have an electrical output of more than 150 mV at that load.
		08/09/2010	2562		Fidelity Render Power Transition test does not work properly.
	HDAudio Class Driver Test - Vista or Server08 (System)	06/01/2010	1890		The HD Audio class driver hdaudio.sys exposes AC-3 data ranges on S/PDIF Kernel Streaming pins incorrectly.
	PCI Hardware Compliance Test For Systems Signed Driver Check (Manual)	12/01/2010	385		Bit 15 (Bridge Configuration Retry Enable) in the Device Control register (offset 8h) in the PCI Express Capability table must be read-only and always return 0 as it is reserved for devices other than PCI Express to PCI/PCI-X Bridges. Assertion 13A41D3E-2576-41DC-A67C-525DA3637CEA This failure is acceptable because this is a PCIe 1.1 feature and the WLP requires compliance with only PCIe 1.0a.
		12/01/2010	759		Bit range 11:10 (ASPM Support) in the Link Capabilities register (offset Ch) in the PCI Express Capability table is 0h. It cannot be in the set of values {0x0, 0x2}.
		06/01/2010	1543		Data Link Layer Link Active Reporting Capable bit is set but Data Link Layer Link Active is not.
	UAA Test - Vista or Server08 (System)	06/01/2010	1394		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.
	System - Common Scenario Stress With IO	06/01/2010	2518		The Common Scenario with IO test will fail on systems with Hybrid-Graphics. This is because the test does not restore the configuration (hybrid-mode) and fails for not finding two monitors.

Operating System	Failing Test	Expiry date	ID Number	Type	Error Description
Windows 7 /Windows 7 64	Fidelity Test - Vista (System, Manual)	08/09/2010	2562	Erratum	Fidelity Render Power Transition test does not work properly. The test is not going to be enforced until a fix can be released.
	GlitchFree WMV HD 720p video playback quality test	06/01/2010	1245		The GlitchFree WMV HD 720p video playback quality test enforces SYSFUND-0062 Case 2 and 3 were added to enhance the verification of the video playback test. These cases will be in preview state until this errata expires. If cases 2 or 3 of the GFHD test fail for any reason while this errata is active, then the failures should be filtered out. Cases 0 and 1 do not apply to this errata and remain a requirement.
	Class Driver Fidelity Test - Win7 (System, Manual)	08/09/2010	1670		EU restrictions place a cap on the output level of headphone jacks at 32 Ohm load: headphones are not allowed to have an electrical output of more than 150 mV at that load.
		08/09/2010	2562		Fidelity Render Power Transition test does not work properly.
	Class Driver AC3 Test - Win7 (System)	06/01/2010	1890		The HD Audio class driver hdaudio.sys exposes AC-3 data ranges on S/PDIF Kernel Streaming pins incorrectly.
	PCI Hardware Compliance Test For Systems	12/01/2010	385		Bit 15 (Bridge Configuration Retry Enable) in the Device Control register (offset 8h) in the PCI Express Capability table must be read-only and always return 0 as it is reserved for devices other than PCI Express to PCI/PCI-X Bridges. Assertion 13A41D3E-2576-41DC-A67C-525DA3637CEA This failure is acceptable because this is a PCIe 1.1 feature and the WLP requires compliance with only PCIe 1.0a.
		12/01/2010	759		Bit range 11:10 (ASPM Support) in the Link Capabilities register (offset Ch) in the PCI Express Capability table is 0h. It cannot be in the set of values {0x0, 0x2}
		12/31/2010	1543		Data Link Layer Link Active Reporting Capable bit is set but Data Link Layer Link Active is not.
	UAA Test - Win7 (System)	08/09/2010	1394		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
Windows 7 and Vista	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
Windows 7 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
Windows 7 and Vista filter update	WLK WHQL test	http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab
Special H/W that use to PASS the test	None	None