

Motherboard Logo Program (MLP)

Intel® Desktop Board

DH61KV

MLP Report

4/6/2012

Purpose:

This report describes the DH61KV Motherboard Logo Program testing run conducted by Intel Corporation.

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Contents

- Introduction.....4**
- Terms and Definitions.....4
- Desktop Board Configuration5**
- Desktop Board DH61KV Final Configuration Report: Completion of MLP5
- Board Information.....5
- Product Code.....5
- Processor5
- Motherboard5
- System Memory.....5
- Power Management.....5
- Operating System Tested.....5
- Onboard Integrated Devices and Driver for Vista 32-bit and 64-bit6
- Onboard Integrated Devices and Driver for Windows 7 32-bit and 64-bit.....7
- Windows Logo Kits Used (WLK)7
- Errata and Contingencies8
- Test Notes.....9

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&g=s

Desktop Board Configuration

Desktop Board DH61KV 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)
DH61KV	KVH6110H.86A.0007.2011.0818.1556	N/A - all technologies logo'd
Processor		
Speed	3.40GHz	
Family	Intel Core i7 CPU 2600K	
Bus Speed	100 MHz	
Motherboard		
Board AA #	G35197-100	
Board FAB #	100	
* 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, 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 Service Pack 1
Windows Vista and 64-bit	<input checked="" type="checkbox"/>	Vista Ultimate with Service Pack 2
Windows Vista Basic and 64-bit	<input type="checkbox"/>	Vista Basic 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	Package version
Chipset Update Utility Intel® Chipset Software Utility	Windows Vista	V9.2.0.1030	INF_allIOS_9.2.0.1030_PV
	Windows Vista 64-bit	V9.2.0.1030	INF_allIOS_9.2.0.1030_PV
Graphics Intel® HD Graphics	Windows Vista	V8.15.10.2462	GFX_Win7Vista_129661_PV
	Windows Vista 64-bit	V8.15.10.2462	GFX_Win7Vista_64_129661_PV
Audio Realtek	Windows Vista	V6.0.1.6438	AUD_Vista_Win7_6.0.1.6438_PV
	Windows Vista 64-bit	V6.0.1.6438	AUD_Vista_Win7_6.0.1.6438_PV
LAN Realtek	Windows Vista	V6.247.222.2011	LAN_Vista_6247_05202011_PV
	Windows Vista 64-bit	V6.247.222.2011	LAN_Vista_6247_05202011_PV
MEI Intel® Management Engine Interface	Windows Vista	V7.0.0.1118	MEI_allIOS_7.0.4.1197_PV
	Windows Vista 64-bit	V7.0.0.1118	MEI_allIOS_7.0.4.1197_PV

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

Technology	OS	Version	Package version
Chipset Update Utility Intel® Chipset Software Utility	Windows 7	V9.2.0.1030	INF_allIOS_9.2.0.1030_PV
	Windows 7 64-bit	V9.2.0.1030	INF_allIOS_9.2.0.1030_PV
Graphics Intel® HD Graphics	Windows 7	V8.15.10.2462	GFX_Win7Vista_129661_PV
	Windows 7 64-bit	V8.15.10.2462	GFX_Win7Vista_64_129661_PV
Audio Realtek	Windows 7	V6.0.1.6438	AUD_Vista_Win7_6.0.1.6438_PV
	Windows 7 64-bit	V6.0.1.6438	AUD_Vista_Win7_6.0.1.6438_PV
LAN Realtek	Windows 7	V7.46.610.2011	LAN_win7_6247_05202011_PV
	Windows 7 64-bit	V7.46.610.2011	LAN_win7_6247_05202011_PV
MEI Intel® Management Engine Interface	Windows 7	V7.0.0.1118	MEI_allIOS_7.0.4.1197_PV
	Windows 7 64-bit	V7.0.0.1118	MEI_allIOS_7.0.4.1197_PV

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 7 Windows 7 64-bit	WLK1.6 for Windows 7 SP1	WLK1.6 for Windows 7 SP1
Windows Vista Windows Vista 64-bit	WLK1.6 for Windows Vista SP2	WLK1.6 for Windows Vista SP2

Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows Vista Windows Vista 64bit Windows 7 Windows 7 64-bit	PCI Hardware Compliance Test For Systems	12/01/2012	401	Erratum	The following PCI Compliance test failure is acceptable: 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.
Windows Vista Windows Vista 64bit Windows 7 Windows 7 64-bit	PCI Hardware Compliance Test For Systems	12/01/2012	1241	Erratum	This happens because the PCI Compliance test assumes that if the Data Link Layer Link Active Reporting Capable bit in the Link Capabilities register for a given PCIe port is set then that indicates that the Data Link Layer Link Active bit will also be set. This is an incorrect assumption because the Data Link Link Layer Link Active bit can be reset when there is no device below the port. This assertion needs to be removed from the PCIHCT. The current architecture of the PCIHCT prevents it from knowing whether devices exist below a bridge/port.
Windows Vista Windows Vista 64bit Windows 7 Windows 7 64-bit	1)UAA Test - Vista or Server08 (System) 2) UAA Test - Win7 (System)	6/1/2015	513	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
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 AHCI 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