



Windows Hardware Certification (WHC)

Intel® Desktop Board

DH61AG

Desktop/Motherboard WHC Report

2/21/2013

Purpose:

This report describes the DH61AG Motherboard Logo Program testing run conducted by Intel Corporation.

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Introduction

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
WHCK	Windows Hardware Certification Kit
MLP	Motherboard Logo Program. For further information see: http://msdn.microsoft.com/en-us/windows/hardware/gg463010.aspx
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 DH61AG Final Configuration Report: Completion of WHC

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

Board Information

Product Code ¹	BIOS String/Model	Technologies NOT Logo'd (yet)
DH61AG	AGH6110H.86A.0103.2013.0130.1016	N/A - all technologies logo'd
Processor		
Speed	3.10GHz	
Family	Intel Core i7 -3770S	
Bus Speed	100 MHz	
Motherboard		
Board AA #	G81491	
Board FAB #	600	
<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 8 64-bit	<input checked="" type="checkbox"/>	Windows 8 Professional
Windows 7 and 64-bit	<input type="checkbox"/>	Windows 7 Ultimate Service Pack 1
Windows Vista and 64-bit	<input 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 Windows 8 64-bit

Technology	OS	Version	Package version
Chipset Update Utility Intel® Chipset Software Utility	Windows 8 64-bit	V9.3.0.1026	INF_allIOS_9.3.0.1026_PV
Graphics Intel® HD Graphics 4000	Windows 8 64-bit	V9.17.10.2932	GFX_Win8_64_9.17.10.2932_PV
Audio Realtek	Windows 8 64-bit	V6.0.1.6804	AUD_allIOS_6.0.1.6804_PV
LAN Intel® 82579V Gigabit	Windows 8 64-bit	V12.2.45.0	LAN_Win8_12.2.45.0_PV
MEI Intel® Management Engine Interface	Windows 8 64-bit	8.1.0.1263	ME_1.5M_Win8_8.1.2.1_318_HF2
USB 3.0 Renesas USB 3.0 eXtensible Host Controller	Windows 8 64-bit	V6.2.9200.16384	MS In box Driver

Windows Hardware Certification Kit Used (WHCK)

Microsoft website: <http://msdn.microsoft.com/library/windows/hardware/hh833788>

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

Operating Systems	Notes	WHQL Testkit
Windows 8 64-bit	WHCK for Windows 8	WHCK for Windows 8

Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 8 64-bit	xHCI Debug Capability Compliance (Logo)	12/31/2013	566	Erratum	The xHCI Debug Capability Compliance Test will fail xHCI controllers that do not provide the debug capability registers.
Windows 8 64-bit	xHCI Debug Capability Compliance (Logo)	12/31/2014	844	Erratum	The xHCI Debug Capability Compliance Test will fail xHCI controllers that do not provide the debug capability registers.
Windows 8 64-bit	KS Position Test(System)	12/31/2013	265	Erratum	USB core stack does not respond to the device start stream command quickly. Because of this, duration and length cannot accurately be measured
Windows 8 64-bit	KS Position Test(System)	10/26/2015	647	Erratum	The "Streaming with 2 different instance of the pin" and "Streaming with 2 different instance of the pin with Different format" Wave test cases and "GetPosition multiple buffers" KS Position test case fail to properly create a second pin instance.
Windows 8 64-bit	Single Computer Display Object Test	8/1/2013	884	Erratum	AllInOne desktop computers have the "Computer.AllInOne" form factor. For this form factor, the test should recognize the mouse and keyboard to be external to the main computer machine. Without this filter it expects the mouse/keyboard to be part of the computer which may not be the case.
Windows 8 64-bit	UAA test (System)	7/1/2013	244	Contingency	Section 3.3.14 of the Intel High Definition Audio specification mandates a reset value of 0 for the Interrupt Control register on HD Audio controllers.
Windows 8 64-bit	UAA test (System)	7/1/2014	354	Contingency	The FIFO size for Input and Output Stream Descriptors should be read only.
Windows 8 64-bit	UAA test (System)	7/2/2013	372	Contingency	Section 3.3.14 of the Intel High Definition Audio specification mandates a reset value of 0 for the Interrupt Control register on HD Audio controllers. Some Intel HD Audio controllers have bit 30 (Controller Interrupt Enable) and/or bit 31 (Global Interrupt Enable) set to 1 after a reset.

Test Notes

Operating System	Test	Description
Windows 8	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
Windows 8	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 8 filter update	WHCK WHQL test	https://sysdev.microsoft.com/member/SubmissionWizard/LegalExemptions/HCKFilterUpdates.cab
Special H/W that use to PASS the test	None	None