Windows Hardware Certification (WHC)

Intel® Desktop Board DH61AGL

Desktop/Motherboard WHC Report

09/20/2012

Purpose:

This report describes the DH61AGL Windows Hardware Certification testing 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/zh-TW/library/windows/hardware/gg463010
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 DH61AGL 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)
DH61AGL	AGH6120H.86A.0015.2012.0926.1822	N/A - all technologies logo'd
Processor		
Speed	3.10GHz	
Family	Intel Core i7-3770S	
Bus Speed	100 MHz	
Motherboard		
Board AA #	G71256-201	
Board FAB #	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.		
System Memory		
Speed	Dual Channel, DDR3, 1600MHz	
Memory Type	DIMM Nanya DDR3 1600/8GB	
Connector Type	DDR3 SO-DIMM (204 pin)	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	**Comments**
Windows 8 and 64-bit	☑	Windows 8 Pro 9200

[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**	V9.3.0.1021	V9.3.0.1021
Graphics Intel® HD Graphics	**Windows 8 64-bit**	V9.17.10.2849	V15.28.5.64.2849
Audio Realtek	**Windows 8 64-bit**	V6.0.1.6649	V6.0.1.6649
LAN Realtek	**Windows 8 64-bit**	V12.1.77.0	V12.1.77.0
MEI Intel® Management Engine Interface	**Windows 8 64-bit**	V8.1.0.1263	V8.1.0.1248

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 9200 QFE 004	WHCK 9200 QFE 004

Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 8 64-bit	Firmware Post Time test	04/15/2013	478	AutoTriage	Based on feedback from our industry partners, and to give them more time to prepare their supply chains, the enforcement of full UEFI POST Time requirement as a part of Windows 8 certification is now deferred until April 15, 2013. Until then, systems must meet the temporary requirements that follow. Condition of deferral for laptops, notebooks, and tablets▪ Laptops and tablet systems using spinning disk drives are eligible to certify, provided such systems POST within 4.3 seconds or less.▪ Systems shipping after April 15, 2013, must meet requirements as published. ▪ Systems with spinning disk drives may include systems that use SSD for caching, not booting. Condition of deferral for All-in-one systems▪ All-in-one systems using spinning disk drives are eligible to certify, provided such systems POST within 10 seconds or less.▪ Systems with spinning disk drives may include systems that use SSD for caching, not booting.▪ This deferral does not apply to laptops/notebooks/tablets.▪ Systems shipping after April 15, 2013, must meet requirements as published. Please refer to Errata ID 478 in the readme file of your submission if your system matches

					the criteria mentioned above.
Windows 8 64-bit	UAA Test (System)	06/01/2014	249	Errata	UAA Test false-fails graphics subsystems that have more HDMI audio ports than display pipes.
Windows 8 64-bit	UAA Test (System)	12/02/2012	235	Errata	UAA test was modified to turn warnings into errors for reserved bits being non-zero. This is a preview filter to allow IHVs to fix the issue.
Windows 8 64-bit	UAA Test (System)	07/01/2014	354	Contingency	The FIFO size for Input and Output Stream Descriptors should be read only.
Windows 8 64-bit	UAA Test (System)	07/01/2013	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)	07/02/2013	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 ACPI Suspend State: Set to <S3 State> Boot Device Priority: set <Hard Disk Driver> to first Parallel port: Disable Enhance Consumer IR: Enable Intel Rapidstart: Enable **UEFI Boot: Enabled**
Windows 8	WHCK WHQL test	http://msdn.microsoft.com/zh-TW/library/windows/hardware/hh852367
Special H/W that use to PASS the test	None	None