



Motherboard Logo Program (MLP)

Intel® Desktop Board

DH87MC

MLP Report

8/15/2013

Purpose:

This report describes the DH87MC Motherboard Logo Program testing run conducted by Intel Corporation.

THIS TEST REPORT IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION OR SAMPLE.

Information in this document is provided in connection with Intel products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by the sale of Intel products. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications.

Intel retains the right to make changes to its test specifications at any time, without notice.

The hardware vendor remains solely responsible for the design, sale and functionality of its product, including any liability arising from product infringement or product warranty.

Intel® Core™ i7 and Intel® are trademarks of Intel Corporation in the U.S. and other countries.

*Other names and brands may be claimed as the property of others

Copyright © 2009, Intel Corporation. All rights reserved.

Contents

- Introduction.....4**
 - Terms and Definitions.....4
- Desktop Board Configuration5**
 - Desktop Board DH87MC 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 Windows 7 64-bit6
 - Windows Hardware Certification Kits Used (WHCK)6
 - Errata and Contingencies.....7
 - Test Notes7

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 DH87MC 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)
DH87MC	MCH8710H.86A.0043.2013.0412.2225	N/A - all technologies logo'd
Processor		
Speed	3.5GHz	
Family	Intel Core i7 4770K	
Bus Speed	100 MHz	
Motherboard		
Board AA #	G74242-301	
Board FAB #	400 (eg. 10x for fab A, 20x for fab B and etc)	
<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, 1600MHz	
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

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 7 64-bit

Technology	OS	Version	Package version
Chipset Update Utility Intel® Chipset Software Utility	Windows 7 64-bit	V9.4.0.1017	INF_allIOS_9.4.0.1017_PV
Graphics Intel® HD Graphics 4600	Windows 7 64-bit	V9.18.10.3071	GFX_Win8_Win7_64_9.18.10.3071_PV
Audio Realtek	Windows 7 64-bit	V6.0.1.6870	AUD_Win8_Win7_6.0.1.6870_PV
LAN Intel® WGI217V	Windows 7 64-bit	V12.6.47.0	LAN_Win8_Win7_12.6.47.0_(18.1)PV
MEI Intel® Management Engine Interface	Windows 7 64-bit	V9.0.2.1345	MEI_allIOS_9.0.2.1345_1.5M_PV(HF2)
USB 3.0 Intel® USB 3.0 Extensible Host Controller	Windows 7 64-bit	V2.0.0.100	USB3_Win7_2.0.0.100_PV

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 7 64-bit	WHCK for Windows 7	WHCK for Windows 7

Errata and Contingencies

Operating System	Falling Test	Expiry Date	ID Number	Type	Error Description
Windows 7 64-bit	UAA Test (System)	3/31/2014	1039	Erratum	Input Payload should be 0x1d, but is instead 0x0. This is being requested as a change to the HDAudio spec
Windows 7 64-bit	UAA Test (System)	10/1/2013	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 7 64-bit	UAA Test (System)	7/1/2014	354	Contingency	The FIFO size for Input and Output Stream Descriptors should be read only

Test Notes

Operating System	Test	Description
Windows 7	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
Windows 7	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 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