Windows Hardware Certification (WHC)

Intel® Desktop Board DZ75ML

Desktop/Motherboard WHC Report

10/25/2012

Purpose:

This report describes the Windows Hardware Certification 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 Configuration 5
Desktop Board DZ75ML Final Configuration Report: Completion of MLP 5
Board Information 5
Product Code 5
Processor 5
Motherboard 5
System Memory 5
Power Management 5
Operating System Tested 5
Onboard Integrated Devices and Driver for Windows 8 64-bit 6
Windows Hardware Certification Certification Kit (WHCK) Used (formerly WLK) 7
Errata and Contingencies 7
Test Notes 8

Introduction

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
WHCK	Windows Hardware Certification kit
PLMP	Previously Logo'd Motherboard Program. For further information see: http://www.microsoft.com/whdc/hwtest/default.mspx
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 DZ75ML 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)
DZ75ML	MLZ7510H.86A.0010.2012.1011.2009	N/A - all technologies logo'd
Processor		
Speed	3.5GHz	
Family	Intel® Ivy bridge i7-3770K	
Bus Speed	35x	
Motherboard		
Board AA #	G75008	
Board FAB #	101	
* 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 Channels, DDR3, 1600MHz	
Memory Type	DIMM	
Connector Type	DDR3,240pin	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	**Comments**
Windows 8 64bit	☑	Windows 8 enterprise

[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**	9.3.0.1021	9.3.0.1021
Graphics Intel® HD Graphic 4000	**Windows 8 64-bit**	9.17.10.2817	15.28.2.64.2817
Intel Display Audio Intel® Display Audio	**Windows 8 64-bit**	6.14.0.3097	15.28.2.64.2817
Audio Realtek High HD Audio	**Windows 8 64-bit**	6.0.1.6710	R270
LAN Intel® Gigabit Network Connections	**Windows 8 64-bit**	12.1.77.0	PV17.3
IRST Intel® Rapid Storage Technology	**Windows 8 64-bit**	11.5.1207	11.5.1207
Rapid Start Intel Rapidstart	**Windows 8 64-bit**	2.1.0.1002	2.1.0.1002
Smart Connect Intel smart connect	**Windows 8 64-bit**	1.0.7.0	3.0.30.1526
MEI Intel® Management Engine Interface	**Windows 8 64-bit**	8.1.0.1263	8.1.0.1248

Windows Hardware Certification Kit (WHCK) Used (formerly WLK)

Microsoft website:

WLK: http://www.microsoft.com/whdc/DevTools/WDK/DTM.mspx

WHCK: http://msdn.microsoft.com/id-ID/windows/hardware/hh852359

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

Operating Systems	Notes	WHQL Test kit
Windows 8 64-bit	WHCK 2.0 for Windows 8	WHCK 2.0 for Windows 8

Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
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)	12/2/2012	235	Erratum	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)	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.
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	xHCI Debug Capability Compliance (Logo)	12/31/2013	479	Contingency	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)	TBD	315	Contingency	N/A

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 Intel Rapid Start: Enable Intel Smart Connect: Enable UEFI Boot: Enabled
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