



Motherboard Logo Program (MLP)

Intel® Desktop Board

DP35DP

MLP Report

6/17/2008

Purpose:

This report describes the DP35DP 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, NONINFRINGEMENT 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 and Pentium are registered trademarks of Intel Corporation in the United States and other countries.

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

Copyright © 2007 Intel Corporation. All rights reserved.

Contents

- Introduction 4**
 - Terms and Definitions..... 4
- Desktop Board Configuration 5**
 - Desktop Board DP35DP 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 6
 - Driver Test Manager Used (DTM) 6
 - Errata and Contingencies 7
 - Test Notes 8

Introduction

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
DTM	Driver Test Manager
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&q=s

Desktop Board Configuration

Desktop Board DP35DP 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)
DP35DP	DPP3510J.86A.0437.2008.0521.1933	N/A - all technologies logo'd
Processor		
Speed	2.66 GHz	
Family	Intel® Core 2 Quad	
Bus Speed	1066 MHz	
Motherboard		
Board AA #	D81073	
Board FAB #	207	
* 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, DDR2, 800 MHz	
Memory Type	DIMM	
Connector Type	DDR2, 240 Pin	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	Comments
Windows XP Pro	<input checked="" type="checkbox"/>	XP Pro with Service Pack 3
Windows XP Pro 64-bit	<input checked="" type="checkbox"/>	XP Pro with Service Pack 2
Windows Vista	<input checked="" type="checkbox"/>	Vista Ultimate with Service Pack 1
Windows Vista 64-bit	<input checked="" type="checkbox"/>	Vista Ultimate with Service Pack 1
Windows Vista Basic	<input type="checkbox"/>	Vista Basic with Service Pack 1
Windows Vista Basic 64-bit	<input type="checkbox"/>	Vista Basic with 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 XP Pro 32 and 64bit

Technology	OS	Version
Chipset Update Utility Intel® Chipset Software Utility	Windows XP Pro	8.4.0.1016
	Windows XP Pro 64-bit	8.4.0.1016
Audio IDT	Windows XP Pro	5762_5713_v68
	Windows XP Pro 64-bit	5762_5713_v68
LAN Intel® PRO Network Connections	Windows XP Pro	12.1
	Windows XP Pro 64-bit	12.1
HECI Intel® Management Engine Interface	Windows XP Pro	3.0.30.1086
	Windows XP Pro 64-bit	3.0.30.1086

Onboard Integrated Devices and Driver for Vista 32 and 64 bit

Technology	OS	Version
Chipset Update Utility Intel® Chipset Software Utility	Windows Vista	9.0.0.1007
	Windows Vista 64-bit	9.0.0.1007
Audio IDT	Windows Vista	5713.6
	Windows Vista 64-bit	5713.6
LAN Intel® PRO Network Connections	Windows Vista	13.0.1
	Windows Vista 64-bit	13.0.1
CIR Transceiver Winbond	Windows Vista	7.0.65.1002
	Windows Vista 64-bit	7.0.65.1002

Driver Test Manager Used (DTM)

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 XP Pro Windows XP Pro 64-bit	DTM for Windows XP SP3	DTM for Windows XP SP3
Windows Vista Windows Vista 64-bit	DTM for Windows Vista SP1 @ WLK1.2	DTM for Windows Vista SP1 @ WLK1.2

Errata and Contingencies

Operating System	Falling Test	Expiry date	ID Number	Type	Error Description
Windows Vista Windows Vista 64-bit	1) Fidelity Test (System, Manual) 2) HDAudio Class Driver Fidelity Test (System, Manual)	8/1/2008	1182	Erratum	The following test cases in Fidelity Test are new for WLK 1.2 and were not previewed in WLK 1.1: * Render System Activity Test * Capture Input Level Test * Capture Skew Test * Capture THD+N Test * Capture Dynamic Range Test * Capture Frequency Response Test
Windows Vista Windows Vista 64-bit	PCI Hardware Compliance Test For System Running Windows Vista (PCIHCT)	1/1/2009	1078	Erratum	Bit 5 (Surprise Down Error Severity) in the Uncorrectable Error Severity register (offset Ch) in the Advanced Error Reporting Capability table must be read-only and always return 0 .
Windows Vista Windows Vista 64-bit	PCI Hardware Compliance Test For System Running Windows Vista (PCIHCT)	12/31/2008	385	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 64-bit	PCI Hardware Compliance Test For System Running Windows Vista (PCIHCT)	12/31/2008	709	Erratum	Certain devices are known to have incompatibilities with the test causing a system hang during testing. This erratum is for those devices.
Windows Vista Windows Vista 64-bit	UAA Test-Vista(System)	7/31/2008	636	Erratum	Some IDT and Sigmatel (now IDT) codecs don't properly validate VRef controls. For details see the Intel HD Audio specification, sections 7.3.3.13 and 7.3.4.9. This requires a hardware fix; future designs of these codecs will correctly validate the controls.
Windows Vista Windows Vista 64-bit	UAA Test-Vista(System)	7/31/2009	534	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
XP and Vista	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
XP 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 IDE Chipset Configuration: Enable HPET ACPI Suspend State: Set to <S3 State> Boot Device Priority: set <Hard Disk Driver> to first
XP and Vista Filter update	DTM WHQL test	http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab
Special H/W that use to PASS the test	None	None