



Previously Logo'd Motherboard Program (PLMP)

Intel® Desktop Board

DX58SO

PLMP Report

1/31/2011

Purpose:

This report describes the DX58SO Previously Logo'd Motherboard Program testing run conducted by Intel Corporation.

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Introduction

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
WLK	Windows Logo Kits
PLMP	Previously Logo'd Motherboard Logo 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&q=s

Desktop Board Configuration

Desktop Board DX58S0 Final Configuration Report: Completion of PLMP

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

Board Information

Product Code ¹	BIOS String/Model	Technologies NOT Logo'd (yet)
DX58S0	SOX5810J.86A.5417.2010.0727.1948	N/A - all technologies logo'd
Processor		
Speed	3.33GHz	
Family	Intel® Core™ i7 980X	
Bus Speed	1333 MHz	
Motherboard		
Board AA #	E29331	
Board FAB #	701	
* 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	Triple Channel, DDR3, 1333MHz	
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
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 Drivers for Windows 7 32-bit and 64-bit

Technology	OS	Version	Package version
Chipset Update Utility Intel® Chipset Software Utility	Windows 7	9.1.1.1026	9.1.2.1007
	Windows 7 64-bit	9.1.1.1026	9.1.2.1007
Graphics ATI	Windows 7	8.753.0.0	10.7
	Windows 7 64-bit	8.753.0.0	10.7
Audio Realtek	Windows 7	6.0.1.6106	6106
	Windows 7 64-bit	6.0.1.6106	6106
LAN Intel® Gb	Windows 7	10.1.9.0	15.3
	Windows 7 64-bit	10.1.9.0	15.3

Windows Logo Kits Used (WLK)

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 Vista Windows Vista 64-bit	WLK1.5 for Windows Vista SP2	WLK1.5 for Windows Vista SP2
Windows 7 Windows 7 64-bit	WLK1.5 for Windows 7	WLK1.5 for Windows 7

Errata & Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 7 Windows 7 64-bit	PCI Hardware Compliance Test For System	06/1/2011	423	Erratum	Assertion 0E36472A-0EDB-4685-A67D-7AF1FFBFA81B Data Link Layer Link Active Reporting Capable bit is set but Data Link Layer Link Active is not. Issue Resolution:The PCIHCT tests this field incorrectly.
Windows 7 Windows 7 64-bit	PCI Hardware Compliance Test For System	12/31/3000		Erratum	Assertion Assertion 382730D5-A1A-4C67-A233-83843A4EFC32 Mask Bits register of the MSI Capability table must be read-writable for all the values up-to and including Fh. Issue Resolution: This failure is acceptable for certain devices that meet specific criteria.
Windows 7 Windows 7 64-bit	PCI Hardware Compliance Test For System	0601/2011		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 7 Windows 7 64-bit	PCI Hardware Compliance Test For System	06/01/2011	528	Erratum	Assertion 5FC5B29C-0F24-423B-856A-87C9E31C6802 Bit 14 (Completion Timeout Mask) in the Uncorrectable Error Mask register (offset 8h) in the Advanced Error Reporting Capability table must be read-writable . Assertion 908C881D-29ED-4B57-A1A6-BE1DBD45522E Bit 14 (Completion Timeout Error Severity) in the Uncorrectable Error Severity register (offset Ch) in the Advanced Error Reporting Capability table must be read-writable . Issue Resolution: These failures are incorrect for PCI Express switch ports that do not issue Non-Posted Requests on their own behalf (vs. only forwarding such Requests generated by other devices)
Windows 7 Windows 7 64-bit	PCI Hardware Compliance Test For System	06/01/2011		Erratum	Assertion FAE18121-9177-4FB2-A081-0D04C285EFF2 Bit range 15:0 (Extended Capability ID)in the Enhanced Capability Header register (offset 0h) in the Unrecognized Enhanced Capability ID 13 table is Dh. It must be in the range [0x0 - 0xB] as all other Capability IDs are reserved. Issue Resolution: This erratum is in place because the PCIHCT doesn't recognize Extended Capability IDs greater than 0xB. The PCIHCT will be updated to correct this.
Windows 7 Windows 7 64-bit	GlitchFree WMV HD 720p Video Playback Quality	06/01/2011	2018	Erratum	The GlitchFree WMV HD 720p video playback quality test enforces SYSFUND-0062. A problem has been found in Case 3 that may cause the test to improperly fail.
Windows 7 Windows 7 64-bit	UAA Test - Vista or Server08 (System)	6/1/2015		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.

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 7 Windows 7 64-bit	Class Driver KS Topology Test	06/1/2015		Erratum	<p>KSPROPERTY_JACK_SINK_INFO is required for HDMI audio drivers.</p> <p>Drivers that expose HDMI pins are required to support KSPROPERTY_JACK_SINK_INFO on such pins. Details in AUDIO-0079.</p> <p>The Microsoft HD Audio class driver supports this property only on HDMI hardware that implements the Intel HD Audio HDMI DCNs.</p>
Windows 7 Windows 7 64-bit	Signed Driver Check	06/01/2011		Erratum	<p>If a driver is found to be signed by Microsoft that is tested with the chklogo test, the message, ERROR: No Logo Level Attribute on file., is an invalid failure if followed by, This file has a 0 level Logo and followed by, Cannot match the device ID of the driver the device was test within an invidual assertion.</p> <p>Issue Resolution: Drivers that may have been logod but are not associated with a valid hardware ID are attributed incorrectly as unclassified drivers and incorrectly failed by this test.</p>

Test Notes

Operating System	Test	Description
Windows 7 and Vista	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
Windows 7 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
Windows 7 and Vista filter update	WLK WHQL test	http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab
Special H/W that use to PASS the test	None	None