



Previously Logo'd Motherboard Logo Program (PLMP)

# Intel® Desktop Board

## DZ68BC

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# PLMP Report

11/9/2011

**Purpose:**

This report describes the DZ68BC Previously Logo'd Motherboard Logo Program testing run conducted by Intel Corporation.

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# Introduction

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## 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: <a href="http://www.microsoft.com/whdc/hwtest/default.msp">http://www.microsoft.com/whdc/hwtest/default.msp</a>
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: <a href="http://winqual.microsoft.com/HCL/ProductList.aspx?m=v&amp;cid=105&amp;q=s">http://winqual.microsoft.com/HCL/ProductList.aspx?m=v&amp;cid=105&amp;q=s</a>

# Desktop Board Configuration

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## Desktop Board DZ68BC Final Configuration Report: Completion of PLMP

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

### Board Information

Product Code <sup>1</sup>	BIOS String/Model	Technologies NOT Logo'd (yet)
DZ68BC	BCZ6810H.86A.0021.2011.0831.1555	N/A - all technologies logo'd
<b>Processor</b>		
Speed	3.30GHz	
Family	Intel(R) Core(TM) i5-2500K CPU	
Bus Speed	100 MHz	
<b>Motherboard</b>		
Board AA #	G30742	
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>		
<b>System Memory</b>		
Speed	Dual Channel, DDR3, 1333MHz	
Memory Type	DIMM	
Connector Type	DDR3, 240 Pin	
<b>Power Management</b>		
BIOS Default	S3	
<b>Operating System Tested</b>		
	<b>Check Tested</b>	<b>Comments</b>
Windows 7 and 64-bit	<input checked="" type="checkbox"/>	Windows 7 Ultimate Service Pack 1
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

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<sup>1</sup> 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 32-bit and 64-bit

Technology	OS	Version	Package version
<b>Chipset Update Utility</b> Intel® Chipset Software Utility	Windows 7	V9.2.0.1030	INF_allIOS_9.2.0.1030_PV
	Windows 7 64-bit	V9.2.0.1030	INF_allIOS_9.2.0.1030_PV
<b>Graphics</b> Intel(R) HD Graphics Family	Windows 7	V8.15.10.2476	GFX_Vista32_Win7_32_8.15.10.2476_PV
	Windows 7 64-bit	V8.15.10.2476	GFX_Vista64_Win7_64_8.15.10.2476_PV
<b>Audio</b> Realtek High Definition Audio	Windows 7	V6.0.1.6438	AUD_Vista_Win7_6.0.1.6438_PV
	Windows 7 64-bit	V6.0.1.6438	AUD_Vista_Win7_6.0.1.6438_PV
<b>LAN</b> Intel(R) 82579V Gigabit Network Connection	Windows 7	V11.13.51.0	LAN_allIOS_11.13.51.0_PV
	Windows 7 64-bit	V11.13.51.0	LAN_allIOS_11.13.51.0_PV
<b>HDMI</b> Intel(R) Display Audio	Windows 7	V6.14.0.3074	GFX_Vista32_Win7_32_8.15.10.2476_PV
	Windows 7 64-bit	V6.14.0.3074	GFX_Vista64_Win7_64_8.15.10.2476_PV
<b>MEI</b> Intel® Management Engine Interface	Windows 7	V7.0.0.1144	MEI_allIOS_7.1.20.1119_PV
	Windows 7 64-bit	V7.0.0.1144	MEI_allIOS_7.1.20.1119_PV
<b>CIR</b> Nuvoton W836x7HG CIR Device Driver	Windows 7	V2.2.2011.128	CIR_Win7_2.2.2011.128_PV
	Windows 7 64-bit	V2.2.2011.128	CIR_Win7_2.2.2011.128_PV
<b>USB 3.0</b> Renesas Electronics USB 3.0 Host Controller	Windows 7	V2.1.19.0	USB3_allIOS_2.1.19.0_PV
	Windows 7 64-bit	V2.1.19.0	USB3_allIOS_2.1.19.0_PV
<b>IRST</b> Intel(R) Desktop/Workstation/Server Express Chipset SATA AHCI Controller	Windows 7	V10.6.0.1002	STOR_Vista_Win7_10.6.0.1002_PV
	Windows 7 64-bit	V10.6.0.1002	STOR_Vista_Win7_10.6.0.1002_PV

## 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 7 Windows 7 64-bit	<a href="#">WLK1.6 for Windows 7</a>	<a href="#">WLK1.6 for Windows 7</a>

## Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows7 Windows7 64bit	Class Driver AC3 Test - Win7 (System)	6/30/2025	1256	Erratum	Run AC3 test on a system with the Microsoft HD Audio class driver installed. Expected results: All AC3 kernel streaming data ranges should advertise MinimumBitsPerSample = 16 and MaximumBitsPerSample = 16. Actual results: HD Audio class driver sometimes advertises MaximumBitsPerSample = 24.
Windows7 Windows7 64bit	PCI Hardware Compliance Test For Systems	12/1/2012	401	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.
		12/1/2012	2051	Erratum	PCIHCT - Bit range 11:10 (ASPM Support)in the Link Capabilities register (offset Ch) in the PCI Express Capability table is 0h. It cannot be in the set of values {0x0, 0x2}. (Assertion 5CAF4993-B8D1-4E4E-99EC-CC5895364E32)
		12/1/2012	923	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.
Windows7 Windows7 64bit	UAA Test - Win7 (System)	6/1/2015	1300	Erratum	HD Audio pin configuration document calls out setting Port Connectivity to No Connection as the way to turn a pin off in a particular system. UAA Test incorrectly tests such pins.
		06/01/2013	Filter Number:3276	Erratum	Filter Number:3276 Row:141 ] - HDMI audio devices are backed by video pipes; if a graphics subsystem exposes three output ports, but only has two video pipes, it is not possible to get all three HDMI audio endpoints "active" simultaneously.
		6/1/2015	513	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
Windows 7	BIOS download	Internal: <a href="http://bios.intel.com/downloads/">http://bios.intel.com/downloads/</a> External: <a href="http://www.intel.com/">http://www.intel.com/</a> 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	WLK WHQL test	<a href="http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab">http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab</a>
Special H/W that use to PASS the test	None	None