



Previously Logo'd Motherboard Program (PLMP)

Intel® Desktop Board

DQ45EK

PLMP Report

3/30/2011

Purpose:

This report describes the DQ45EK 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.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 DQ45EK 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)
DQ45EK	CBQ4510H.86A.0121.2010.0412.0911	N/A - all technologies logo'd
Processor		
Speed	2.83GHz	
Family	Intel® Core™2 Quad Q9550	
Bus Speed	1333 MHz	
Motherboard		
Board AA #	E30149	
Board FAB #	205	
* 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, DDR2, 800MHz	
Memory Type	DIMM	
Connector Type	DDR2, 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 Driver for Windows 7 32-bit and 64-bit

Technology	OS	Version	Package version
Chipset Update Utility Intel® Chipset Software Utility	Windows 7	6.1.7600.16385	Native
	Windows 7 64-bit	6.1.7600.16385	Native
Graphics Intel® Graphics Media Accelerator	Windows 7	8.15.10.2119	2119
	Windows 7 64-bit	8.15.10.2119	2119
Audio ADI	Windows 7	6.10.1.6610	6610
	Windows 7 64-bit	6.10.2.6610	6610
LAN Intel® 82567LM-3 Gigabit Network Connection	Windows 7	10.5.1.0	10.5.1.0
	Windows 7 64-bit	10.5.1.0	10.5.1.0
AMT Intel® Active Management Technology	Windows 7	5.5.1.1012	1012
	Windows 7 64-bit	5.5.1.1012	1012
MEI Intel® Management Engine Interface	Windows 7	5.2.0.1008	1008
	Windows 7 64-bit	5.2.0.1008	1008

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	WLK1.5 for Windows 7	WLK1.5 for Windows 7

Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 7 Windows 7 64-bit	TPM TCG OS Interface	-	1775	Erratum	The Physical Presence Lifetime Lock on the TPM 1.2 device was not set during the manufacturing process. Once set, the lifetime lock is permanent, so occasionally platform manufacturers wait until late in platform development to set the value. To pass the TCG TPM Integration Test, the value must be set. For further details visit: https://winqual.microsoft.com/ec/
Windows 7 Windows 7 64-bit	TPM TCG OS Interface	-	1776	Erratum	The TPM TCG OS Interface Test is preview for its initial release in WLK 1.5. Microsoft recommends OEMs run the test and fix any issues found. For further details visit: https://winqual.microsoft.com/ec/
Windows 7 Windows 7 64-bit	PCI Hardware Compliance Test For Systems	12/01/2010	385	Filter	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	UAA Test	1/31/2011	3008	Contingencies	Certain ADI audio codecs do not correctly implement PinControls. In particular, setting unsupported VRef settings is not zeroed out in the register. This requires a hardware change. There is hardware validation, so the unsupported settings are not applied.
Windows 7 Windows 7 64-bit	UAA Test	12/01/2010	2863	Contingencies	Specific codecs do not correctly support Input Enable and Output Enable pin widget controls. This results in an attempt to shut off the pin, and it doesn't shut off. The Microsoft audio class driver has other ways of making sure the pins don't make sound, which happen to work for these specific codecs.
Windows 7 Windows 7 64-bit	UAA Test	06/01/2015	1349	Filter	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 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 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