Previously Logo'd Motherboard Program (PLMP)

Intel® Desktop Board DH55TC

PLMP REPORT

3/30/2011

Purpose:

This report describes the DH55TC 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
DTM	Driver Test Manager
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

Motherboard Configuration

Motherboard DH55TC 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)
DH55TC	TCIBX10H.86A.0028.2009.1201.1520	N/A - all technologies logo'd
Processor		
Speed	3.46 GHz	
Family	Intel® Core(TM) i5 670	
Bus Speed	1333Mhz	
Motherboard		
Board AA #	E70932	
Board FAB #	204	
System Memory		
Speed	Dual Channel, DDR3, 1333MHz	
Memory Type	DIMM	
Connector Type	DDR3, 240 Pin	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	**Comments**
Windows Vista	☐	Vista 32 SP2
Windows Vista 64-bit	☐	Vista 64 SP2
Windows 7	☑	Windows 7
Windows 7 64-bit	☑	Windows 7

[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 & Windows 7 64

Technology	OS	Version
Chipset Update Utility Intel® Chipset Software Utility	**Windows 7**	V9.1.1.1025
	Windows 7 64bit	V9.1.1.1025
Graphics Intel(R) Graphics Media Accelerator HD	**Windows7**	V 8.15.10.2025
	Windows 7 64bit	V 8.15.10.2025
Audio Realtek	**Windows 7**	V 6.0.1.5964
	Windows 7 64bit	V 6.0.1.5964
LAN Intel(R) 82578DC	**Windows 7**	V11.5.10.0
	Windows 7 64bit	V 11.5.10.0
MEI Intel® Management Engine Interface	**Windows 7**	V 6.0.0.1179
	Windows 7 64bit	V 6.0.0.1179

Driver Test Manager Used (DTM)

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

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	DTM for Windows 7	WLK1.5 for Windows 7

Errata / Contingency

Operating System	Failing Test	Expiry date	ID Number	Type	Error Description
Windows 7 Windows 7 64	Class Driver AC3 Test - Win7 (System)	6/1/2010	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.
	PCI Hardware Compliance Test For Systems	6/1/2010	1241		This happens because the PCI Compliance test assumes that if the Data Link Layer Link Active Reporting Capable bit in the Link Capabilities register for a given PCIe port is set then that indicates that the Data Link Layer Link Active bit will also be set. This is an incorrect assumption because the Data Link Link Layer Link Active bit can be reset when there is no device below the port. This assertion needs to be removed from the PCIHCT. The current architecture of the PCIHCT prevents it from knowing whether devices exist below a bridge/port.
		2/8/2010	401		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.
	UAA Test - Win7 (System)	7/1/2011	1466		UAA Test: Preview Filter - Intel Low Power DCN says "EPSS implies KeepAlive, but only after July 1st 2011"
		8/9/2010	1299		UAA Test: Some digital pin widgets incorrectly set Jack Detect Override
		8/9/2010	1288		UAA Test: preview filter for Encoded Packet Type validation
		6/1/2010	1300		UAA Test should ignore pin widgets whose Configuration Default has Port Connectivity = No Connection
		8/9/2010	1348		UAA Test digital converter channel to HDMI slot mapping failures
		8/9/2010	1198		UAA Test Preview errata: S/PDIF pin "Pin Sense" responses cannot use "Impedance" bits
		6/1/2010	513		UAA Test (System) fails Intel HD Audio controller whose Traffic Priority bit is not read/write.
		12/31/2010	2124		Certain Intel Codecs swallow the first response after a function group reset.

Operating System	Failing Test	Expiry date	ID Number	Type	Error Description
Windows 7 Windows 7 64	UAA Test - Win7 (System)	12/31/2010	2125	Erratum	Certain Intel Codecs swallow the first response after a function group reset.
		12/31/2010	2399		Certain Intel Codecs swallow the first response after a function group reset.
	KS Topology Test – Win7 (System)	2/8/2010	1733		PREVIEW: KS Topology Test KSPROPERTY_JACK_DESCRIPTION2
	Graphics HDMI System Test (Manual)	6/1/2010	1717		GraphicsHDMITest: should ignore pin widgets that have "Port Connectivity" set to "No Physical Connection"
		12/31/2011	1666		graphics-hdmi-test-intel-two-of-three
		3/31/2010	2247		Intel HDMI solutions follow the Intel HD Audio HDMI DCNs -34-A, 39-A.

Test Notes

Operating System	Test	Description
Windows 7 & Vista	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
Windows 7 & Vista	BIOS setup	Please make sure the BIOS setting as below. 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 & 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