



Previously Logo'd Motherboard Program (PLMP)

**Intel® Desktop Board**

**D2550DC2**

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**PLMP Report**

8/10/2012

**Purpose:**

This report describes the Board D2550DC2 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
MLP	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 D2550DC2 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)
D2550DC2	MUCDT10N.86A.0071.2012.0612.1459	N/A - all technologies logo'd
<b>Processor</b>		
Speed	1.86GHz	
Family	Intel® Atom CPU D2550	
Bus Speed	1066 MHz	
<b>Motherboard</b>		
Board AA #	G32420	
Board FAB #	602	
<a href="#">* 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.</a>		
<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 32	<input checked="" type="checkbox"/>	Windows 7 Home Premium with Service Pack 1

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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/Add-in Devices and Driver for Windows 7 32-bit

Technology	OS	Version	Package version
<b>Chipset Update Utility</b> Intel® Chipset Software Utility	Windows 7	9.2.2.1034	9.2.2.1034
<b>On-board Graphic</b> Intel® GMA 3600 series	Windows 7	8.14.8.1083	8.0.0.1083
<b>On-board Audio</b> Realtek High Definition Audio	Windows 7	6.0.1.6662	PG350
<b>LAN</b> Intel 82574L Gigabit Network Connection	Windows 7	11.14.48.0	11.14.48.0
<b>IRST</b>	Windows 7	10.8.0.1003	10.8.0.1003

## 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	<a href="#">WLK1.6 for Windows 7 SP1</a>	<a href="#">WLK1.6 for Windows 7 SP1</a>

## Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
windows 7	Win7: UAA Test - Win7 (System)	06/01/2015	513	Erratum	<p>Issue Description:</p> <p>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.</p>
windows 7	Win7: UAA Test - Win7 (System)	01/01/2014	Filter 3904	Contingencies	<p>Issue Description:</p> <p>Various Intel HDMI codecs do not correctly default to the specified ASP channel mapping, which switches channels 2 and 3.</p> <p>The Intel HD Audio DCN 34-A2, HDMI/Multichannel, defines a mapping between digital converter channels and HDMI slots; see section 7.3.3.41 of the DCN. Much of the verbiage is generalized in DCN 36-A to apply equally to DisplayPort slots. The latest versions of all DCNs are posted on Intel's HD Audio standards page: <a href="http://www.intel.com/standards/hdaudio/">http://www.intel.com/standards/hdaudio/</a></p> <p>The default mapping from digital converter channels to slots is expected to be 0 --&gt; 0, 1 --&gt; 1, 2 --&gt; ***3***, 3 --&gt; ***2***, 4 --&gt; 4, 5 --&gt; 5, 6 --&gt; 6, and 7 --&gt; 7.</p>
windows 7	Win7: UAA Test - Win7 (System)	01/01/2014	Filter 3905	Contingencies	<p>Issue Description:</p> <p>Various Intel HDMI HD Audio codecs do not correctly implement Encoded Packet Type.</p> <p>The Intel HD Audio DCN 35-A, HDMI/High Bit Rate, repurposes bits 0 and 1 of the Pin Widget Control verb to be the Encoded Packet Type (for example, "native" or "high bit rate.") See section 7.3.3.13 of the DCN for further information: <a href="http://www.intel.com/standards/hdaudio/">http://www.intel.com/standards/hdaudio/</a></p> <p>The codec is expected to perform validation on EPT values set in this fashion. From the DCN:</p> <p>If the value written to this control does not correspond to a supported value as defined in the Pin Capabilities parameter, the control must either retain the previous value or take the value of 00, which will select the default native audio packet type.</p>
windows 7	Win7:Class Driver AC3 Test - Win7 (System)	06/30/2025	1256	Erratum	<p>Issue Description:</p> <p>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</p>



					MaximumBitsPerSample = 24.
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## 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 Others: BIOS default setting
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