

**Motherboard Logo Program (MLP)**

**Intel® Desktop Board**

**QS77GKE-IS**

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**MLP Report**

10/17/2013

**Purpose:**

This report describes the QS77GKE-IS Desktop /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
WHCK	Windows Hardware Certification Kit
MLP	Motherboard Logo Program. For further information see: <a href="http://msdn.microsoft.com/zh-TW/library/windows/hardware/gg463010">http://msdn.microsoft.com/zh-TW/library/windows/hardware/gg463010</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;g=s">http://winqual.microsoft.com/HCL/ProductList.aspx?m=v&amp;cid=105&amp;g=s</a>

# Desktop Board Configuration

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## Desktop Board D54250WYB Final Configuration Report: Completion of MLP

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

### Board Information

<b>Product Code<sup>1</sup></b>	<b>BIOS String/Model</b>	<b>Technologies NOT Logo'd (yet)</b>
QS77GKE-IS	GKPPT10H.86A.0046.2013.0927.1546	N/A - all technologies logo'd
<b>Processor</b>		
Speed	1.80Ghz	
Family	Intel(R) Core(TM) i3-3217U CPU	
Bus Speed	100 MHz	
<b>Motherboard</b>		
Board AA #	G76540-204	
Board FAB #	NA	
<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	1600MHz	
Memory Type	SODIMM Kingston DDR3L 4GB x2	
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 8.1 64-bit	<input checked="" type="checkbox"/>	Windows 8.1 Ultimate

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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

Technology	OS	Version	Package version
<b>Chipset Update Utility</b> Intel® Chipset Software Utility	<b>Windows 8.1 x64</b>	6.3.9600.16384	6.3.9600.16384
<b>Graphics</b> Intel(R) HD Graphics 4000	<b>Windows 8.1 x64</b>	10.18.10.3308	15.33.4.64.3308
<b>LAN</b> Intel(R) 82579V Gigabit Network Connection	<b>Windows 8.1 x64</b>	V 12.9.15.0	V18.7
<b>MEI</b> Intel® Management Engine Interface	<b>Windows 8.1 x64</b>	V9.5.14.1724	V9.5.14.1724

## Windows Hardware Certification Kit Used (WHCK)

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 8,1 64-bit	<a href="#">WHCK for Windows 8.1</a>	WHCK2.1

## Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 8.1	Single Computer Display Object test	12/31/2013	884	filter	Issue Description: AllInOne desktop computers have the "Computer.AllInOne" form factor. For this form factor, the test should recognize the mouse and keyboard to be external to the main computer machine. Without this filter it expects the mouse/keyboard to be part of the computer which may not be the case. Issue Resolution: Recognize this form factor and remove the need to have mouse/keyboard as part of the computer.
Windows 8.1	UAA Test (System, Manual)	12/31/2013	354	filter	Issue Description: The FIFO size for Input and Output Stream Descriptors should be read only. Issue Resolution: Filter Covers failure

## Test Notes

Operating System	Test	Description
<b>Windows 8.1</b>	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
<b>Windows 8.1</b>	BIOS setup	<p>Please make sure the BIOS setting are as below, otherwise use default settings.</p> <p>System Date and Time: Current date and time  Peripheral Configuration: Enable all onboard component (Except CIR)  Drive Configuration: Set to AHCI  Chipset Configuration: Enable HPET  ACPI Suspend State: Set to &lt;S3 State&gt;  Boot Device Priority: set &lt;Hard Disk Driver&gt; to first</p>
<b>Windows 8.1</b>	WHCK WHQL test	<a href="http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab">http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab</a>
<b>Special H/W that use to PASS the test</b>	None	None