

Motherboard Logo Program (MLP)

Intel® Desktop Board

QS77RKE-IS

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MLP Report

5/13/2013

**Purpose:**

This report describes the QS77RKE-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 QS77RKE-IS Final Configuration Report: Completion of MLP

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

### Board Information

Product Code <sup>1</sup>	BIOS String/Model	Technologies NOT Logo'd (yet)
QS77RKE-IS	RKPPT10H.86A.0017	N/A - all technologies logo'd
<b>Processor</b>		
Speed	1.80GHz	
Family	Intel Core I5	
Bus Speed	100 MHz	
<b>Motherboard</b>		
Board AA #	G87790-300	
Board FAB #	A3	
* 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.		
<b>System Memory</b>		
Speed	Dual Channel, DDR3, 1600MHz	
Memory Type	DIMM Samsung DDR3 1600/4GB 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 64-bit	<input checked="" type="checkbox"/>	Windows 8 Ultimate
Windows 7 64-bit	<input checked="" type="checkbox"/>	Windows 7 Ultimate
Windows 7 32-bit	<input checked="" type="checkbox"/>	Windows 7 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 8/7 32&64-bit

Technology	OS	Version	Package version
Chipset Update Utility Intel® Chipset Software Utility	Windows 8 64-bit	V9.3.0.1025	V9.3.0.1025
	Windows7 32/64-bit		
Graphics Intel® HD Graphics	Windows 8 64-bit	V9.17.10.3062	v15.28.15.xx.3062
	Windows 7 32/64-bit		
Audio	NS	NS	NS
LAN Intel	Windows 8 64-bit	V12.1.77.0	V17.2
	Windows 7 32/64-bit		
MEI Intel® Management Engine Interface	Windows 8 64-bit	V8.1.30.1349	V8.1.30.1350
	Windows 7 32/64-bit		

## 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 64-bit	<a href="#">WHCK for Windows 8</a>	<a href="#">WHCK for Windows 8</a>
Windows 7 64-bit	<a href="#">WHCK for Windows 7 x64</a>	<a href="#">WHCK for Windows 7</a>
Windows 7 32-bit	<a href="#">WHCK for Windows 7 x32</a>	<a href="#">WHCK for Windows 7</a>

## Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 8 64-bit	xHCI Debug Capability Compliance (Logo)	12/31/2013	Contingency ID 479		The XHCI Debug capability Compliance Test will fail XHCI controllers that do not provide the debug capability register.

## Test Notes

Operating System	Test	Description
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<b>Windows 7/8</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 7/8</b>	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 (Except CIR) 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
<b>Windows 7/8</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