

Motherboard Logo Program (MLP)

Intel® Desktop Board

QS77RKE-IS

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

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
WHCK	Windows Hardware Certification Kit
MLP	Motherboard Logo Program. For further information see: http://msdn.microsoft.com/zh-Tw/library/windows/hardware/gg463010
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

Desktop Board Configuration

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 ¹	BIOS String/Model	Technologies NOT Logo'd (yet)
QS77RKE-IS	RKPPT10H.86A.0017	N/A - all technologies logo'd
Processor		
Speed	1.80GHz	
Family	Intel Core I5	
Bus Speed	100 MHz	
Motherboard		
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.		
System Memory		
Speed	Dual Channel, DDR3, 1600MHz	
Memory Type	DIMM Samsung DDR3 1600/4GB x2	
Connector Type	DDR3, 240 Pin	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	Comments
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

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 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	WHCK for Windows 8	WHCK for Windows 8
Windows 7 64-bit	WHCK for Windows 7 x64	WHCK for Windows 7
Windows 7 32-bit	WHCK for Windows 7 x32	WHCK for Windows 7

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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Windows 7/8	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
Windows 7/8	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
Windows 7/8	WHCK WHQL test	http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab
Special H/W that use to PASS the test	None	None