

**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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# Contents

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- Introduction ..... 4**
  - Terms and Definitions ..... 4
- Desktop Board Configuration ..... 5**
  - Desktop Board QS77GKE-IS Final Configuration Report: Completion of MLP ..... 5
    - Board Information ..... 5
    - Product Code ..... 5
    - Processor ..... 5
    - Motherboard..... 5
    - System Memory..... 5
    - Power Management..... 5
    - Operating System Tested ..... 5
    - Onboard Integrated Devices and Driver for WIN8.1 .....**Error! Bookmark not defined.**
  - Windows Hardware Certification Kits Used (WHCK) ..... 6
  - Errata and Contingencies ..... 6
  - Test Notes ..... 6

# 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:<br><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

| Product Code <sup>1</sup>  | BIOS String/Model                   | Technologies NOT Logo'd (yet) |
|--|-------------------------------------|-------------------------------|
| 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><br>Intel® Chipset Software Utility | <b>Windows 8.1 x64</b> | 6.3.9600.16384 | 6.3.9600.16384  |
| <b>Graphics</b><br>Intel(R) HD Graphics 4000                     | <b>Windows 8.1 x64</b> | 10.18.10.3308  | 15.33.4.64.3308 |
| <b>LAN</b><br>Intel(R) 82579V Gigabit Network Connection         | <b>Windows 8.1 x64</b> | V 12.9.15.0    | V18.7           |
| <b>MEI</b><br>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.<br>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.<br>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<br/> Peripheral Configuration: Enable all onboard component (Except CIR)<br/> Drive Configuration: Set to AHCI<br/> Chipset Configuration: Enable HPET<br/> ACPI Suspend State: Set to &lt;S3 State&gt;<br/> Boot Device Priority: set &lt;Hard Disk Driver&gt; to first</p> |
| <b>Windows 8.1</b>                           | WHCK<br>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   |