



**Motherboard Logo Program (MLP)**

**Intel® Desktop Board**

**DQ965WC**

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**MLP Report**

11/17/2006

**Purpose:**

This report describes the DQ965WC Motherboard Logo Program testing run conducted by Intel® Driver and WHQL Engineering Services (DWES).

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# Introduction

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## Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
HCT	Hardware Compatibility Tests
MLP	Motherboard Logo Program. For further information see: <a href="http://www.microsoft.com/whdc/hwtest/default.mspx">http://www.microsoft.com/whdc/hwtest/default.mspx</a>
TPL	Tested Products List. You can view the Windows Marketplace for tested products list at: <a href="http://testedproducts.windowsmarketplace.com/content.aspx?ctf=about.htm">http://testedproducts.windowsmarketplace.com/content.aspx?ctf=about.htm</a>

# Desktop Board Configuration

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## Desktop Board DQ965WC 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)
DQ965WC	CO96510J.86A.4673.2006.0825.1113	N/A - all technologies logo'd
<b>Processor</b>		
Speed	3.8 GHz	
Family	Pentium® 4	
Bus Speed	800 MHz	
Form Factor	LGA775	
Connector Type	LGA775 Socket	
<b>System Memory</b>		
Amount Installed	4096 MB	
Speed	Dual Channel, DDR2, 800	
Memory Type	DIMM	
Connector Type	DDR2, 240 Pin	
<b>Power Management</b>		
BIOS Setting	S3	
<b>Operating System Tested</b>		
	<b>Check Tested</b>	<b>Comments</b>
Windows XP Pro	<input checked="" type="checkbox"/>	Service Pack 2
Windows XP Pro 64-bit	<input checked="" type="checkbox"/>	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 Devices and Driver

Technology	OS	Version
<b>Chipset Update Utility</b> Intel® Chipset Software Utility	Windows XP Pro	8.0.1.1002
	Windows XP Pro 64-bit	8.0.1.1002
<b>Graphics</b> Intel® Graphics Media Accelerator	Windows XP Pro	6.14.10.4670
	Windows XP Pro 64-bit	6.14.10.4628
<b>Audio</b> Sigmatel	Windows XP Pro	5.10.5143.0
	Windows XP Pro 64-bit	5.10.5082.0
<b>LAN</b> Intel® PRO Network Connections	Windows XP Pro	9.4.21.0
	Windows XP Pro 64-bit	9.4.17.0
<b>HECI</b> Intel® Management Engine Interface	Windows XP Pro	2.0.18.1118
	Windows XP Pro 64-bit	2.0.15.1118
<b>SOL</b> Intel® Active Management Technology	Windows XP Pro	5.1.2600.9403
	Windows XP Pro 64-bit	5.1.2600.9403

## Hardware Compatibility Tests Used (HCT)

Microsoft website: <http://www.microsoft.com/whdc/hwtest/system/default.aspx?area=SysSrv-dsktp>. Please check regularly for test kit updates. Not responsible for broken links caused by changes to Microsoft's Web Site.

Operating Systems	Notes	HCT
Windows XP Pro Windows XP Pro 64-bit	<a href="#">HCT 12.1.01 for Windows XP SP2</a>	<a href="#">HCT 12.1.01 Test Procedure and Readme Downloads</a>

## Errata and Contingencies

Operating System	Failing Test	ID Number	Type	Error Description
Windows XP Pro Windows XP Pro 64-bit	PCI Compliance	1403	Errata	SEV2 : FAIL: 4.59.1 - Bits 07:02 in the PMCSR are reserved and must always return 0.
Windows XP Pro Windows XP Pro 64-bit	UAA Test Application	1399	Errata	Error: Codec must either respond to F1F control identically to F1C or respond with 0
Windows XP Pro Windows XP Pro 64-bit	UAA Test Application	1457	Errata	Warning: A pin's port connectivity value can only be set to 0x01 when a system that the HD Audio codec is in does not have a physical jack connection for that pin. Error: Location field can not be 0. Error: ConnectionType field can not be 0. Error: Color field can not be 0. Warning: This color has already been used by another jack. Error: DefaultAssociation field can not be 0. Error: This Sequence number has already been used by another jack in the same Association group.
Windows XP Pro Windows XP Pro 64-bit	UAA Test Application	1388	Errata	Error: If the DefaultAssociation is set to 0x0F, then the Sequence number must be 1. Error: Sequence field can not be 0.
Windows XP Pro Windows XP Pro 64-bit	UAA Test Application	1398	Errata	Global Control = 0x00000001 Accept Unsolicited Response Enable -UNSOL = 0x00 FAIL : Accept Unsolicited Response Enable -UNSOL is not RW FAIL: Accept Unsolicited Response Enable -UNSOL is not RW
Windows XP Pro Windows XP Pro 64-bit	UAA Test Application	2965	Incident	SDx Input Stream Descriptor Control_3 = 0x04 Assertion Testing for Read Write: Testing... Assertion Testing for Read Write: FAILED.
Windows XP Pro Windows XP Pro 64-bit	UAA Test Application	1463	Errata	Start Case: ID 37:2 : Codec Tests\RequiredVerbSupport:[date of test] ... (several lines of function calls and returns) End Case: ID 37:2 : FAIL : Codec Tests\RequiredVerbSupport : [date of test]
Windows XP Pro Windows XP Pro 64-bit	ACPI Verifier	3278	Incident	SEV1 The FADT FACS table pointer does not reference a valid FACS table   SEV1 The FADT DSDT table pointer does not reference a valid DSDT table   SEV1 The FLUSH_SIZE field must be 0.   SEV1 The FLUSH_STRIDE must be 0.   SEV1 Bits 3 - 16 in the IAPC_BOOT_ARCH flag field are reserved and must be 0. Value: 0x10   SEV1 RESET_CAP flag bit is set but the reset_reg address is 0. If the RESET_CAP flag is set then a valid reset_reg address must be set   SEV1 Offset byte 129 in the FADT is a reserved field. This must be 0. Value: -1167490943   SEV1 The reserved flag bits (14 - 31) in the FADT must not be set. Value: 0xffffc4a5
Windows XP Pro 64-bit	Enable/Disable - Device I/O	1465	Errata	Starting test 16 Serial Loopback/Modem Pass Check This test makes sure that at least one of the COM ports on this machine has a modem or a loopback attached and passed testing. Number of Passes with Loopbacks/Modems: 0. ERROR: Not even one COM port passed testing. TEST 16 :FAIL

Operating System	Failing Test	ID Number	Type	Error Description
Windows XP Pro 64-bit	ACPI Stress - Device I/O (Extended)	3259	Incident	ERROR: Work item completed with Error Code: -1073721816 ERROR: User canceled test run. VARIATION 1:FAIL
Windows XP Pro 64-bit	ACPI Stress - Device I/O (Varied RTC)	3259	Incident	ERROR: Work item completed with Error Code: -1073721816 ERROR: User canceled test run. VARIATION 1:FAIL

## Test Notes

Operating System	Test	Description