Driver and WHQL Engineering Services

Platform Architecture and Solutions Division

Motherboard Logo Program (MLP)

Intel® Desktop Board

D925XECV2

D925XEBC2

D925XCV

D925XBC

MLP Report

7/14/2005

Purpose of This Run:

This report describes the D925XECV2/BC2/CV/BC Motherboard Logo Program testing run conducted by Intel® Driver and WHQL Engineering Services (DWES).

THIS TEST REPORT IS PROVIDED "AS IS" WITH NO WARRANTIES WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY, NONINFRINGEMENT FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY WARRANTY OTHERWISE ARISING OUT OF ANY PROPOSAL, SPECIFICATION OR SAMPLE.

Information in this document is provided in connection with Intel® products. No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by the sale of Intel products. Except as provided in Intel's Terms and Conditions of Sale for such products, Intel assumes no liability whatsoever, and Intel disclaims any express or implied warranty, relating to sale and/or use of Intel products including liability or warranties relating to fitness for a particular purpose, merchantability, or infringement of any patent, copyright or other intellectual property right. Intel products are not intended for use in medical, life saving, or life sustaining applications.

Intel retains the right to make changes to its test specifications at any time, without notice.

The hardware vendor remains solely responsible for the design, sale and functionality of its product, including any liability arising from product infringement or product warranty.

Intel and Pentium are registered trademarks of Intel Corporation in the United States and other countries.

* Other names and brands may be claimed as the property of others.

Copyright © 2003, Intel Corporation. All rights reserved.

Contents

Introduction **4**
Overview of Contents 4
Terms and Definitions 4
Desktop Board Configuration **5**
Desktop Board D925XECV2/BC2/CV/BC Final Configuration Report: Completion of MLP ... 5
Board Information 5
Product 5
Processor 5
System Memory 5
BIOS 5
Power Management 5
Operating System Tested 5
Onboard Integrated Devices and Driver 6
Hardware Compatibility Tests Used (HCT) 6
Errata and Contingencies 7

Introduction

This report provides an overview of the testing conducted on the product by Intel® Driver and WHQL Engineering Services (DWES) and provides details about this testing run.

Overview of Contents

Section	Content
Introduction	Brief descriptions of the sections in the report. Table listing terms and definitions.
Desktop Board Configuration	Final desktop board configuration upon completion of MLP including HW, Driver version, BIOS version, and Board AA number
HCT	All HCTs used during testing
Errata and Contingencies	All Microsoft errata or contingencies used during testing

Terms and Definitions

Term	Definitions
WHQL	Windows* Hardware Qualification Lab
HCT	Hardware Compatibility Tests
MLP	Motherboard Logo Program. For further information see: http://www.microsoft.com/whdc/hwtest/default.mspx
HCL	Windows Hardware Compatibility List. You can view the HCL at: http://www.microsoft.com/hwdq/hcl/

Desktop Board Configuration

Desktop Board D925XECV2, D925XEBC2, D925XCV, D925XBC Final Configuration Report: Completion of MLP

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

Board Information

Product		
Product Code	D925XECV2, D925XEBC2, D925XCV, D925XBC	
Board AA #	AA# C85218-2xx	
Processor		
Speed	3.8 GHz	
Family	Pentium® 4	
Bus Speed	1066/800/533 MHz	
Form Factor	LGA775	
Connector Type	LGA775 Socket-T	
System Memory		
Amount Installed	2046 MB	
Speed	Dual Channel, DDR2, 533/400	
Memory Type	DIMM	
Connector Type	DDR, 240 Pin	
BIOS		
String/Model	CV92510A.86A.0446.2005.0428.1154	
Power Management		
BIOS Setting	S3	
Operating System Tested		
	Check Tested	**Comments**
Windows XP Pro	☑	Service Pack 2
Windows XP 64-Bit Edition	☑	Service Pack 1

Onboard Integrated Devices and Driver

Technology	OS	Version
Chipset Update Utility Intel®	**Windows XP Pro** **Windows XP 64-bit Edition**	6.0.1.1002 7.0.0.1019
Audio Realtek	**Windows XP Pro** **Windows XP 64-bit Edition**	5.10.0.5030 5.10.0.5125
LAN Marvell	**Windows XP Pro** **Windows XP 64-bit Edition**	7.14.1.3 8.4
USB 2.0 Intel®	**Windows XP Pro** **Windows XP 64-bit Edition**	N/A
IEEE1394 agere	**Windows XP Pro** **Windows XP 64-bit Edition**	N/A
TPM Infinion	**Windows XP Pro** **Windows XP 64-bit Edition**	1.70.0155 1.80.0.0

Hardware Compatibility Tests Used (HCT)

Microsoft website: http://www.microsoft.com/whdc/hwtest/system/default.mspx?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 64-bit Edition	HCT 12.0 for Windows XP SP2 HCT 12.1.01 for Windows XP 64-bit	HCT 12.0 Test Procedure and Readme Downloads HCT 12.1.01 Test Procedure and Readme Downloads

Errata and Contingencies

Operating System	Failing Test	ID Number	Type	Error Description
Windows XP Pro	UAA Test Application	13688	Incident	Codec Tests:[FAIL:2] 37:1 RequiredParameterSupport:[FAIL:1] 37:2 RequiredVerbSupport:[FAIL:1]
Windows XP Pro 64-bit	System Stress	1390	Errata	A5C.2C0 : pokefocs.exe died. A5C.2C0 : ExitCode: 0. And A5C.2C0 : pokefocs.exe: A5C.2C0 : DIED
Windows XP Pro 64-bit	UAA Test Application	1399	Errata	GetConfigDefault: Response == 0x800000020221421F ... GetConfigDefault(F1F): Response == 0x0006F6E40221421F Error: Codec must either respond to F1F control identically to F1C or respond with 0
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.
Windows XP Pro 64-bit	UAA Test Application	3021	Incident	Error: Location field can not be 0. Error: ConnectionType field can not be 0. Error: Color field can not be 0. Error: DefaultAssociation field can not be 0
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 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 64-bit	LAN Device Wakeup	772	Errata	Not required for Gbe LAN

Test Notes

Operating System	Test	Description
Windows XP Pro	Enable/Disable	Use an isolated network with only these system attached: • System Under Test • HCT Server • DHCP Server Note: This test passed consistently when we separated the HCT Server and DHCP server.