Motherboard Logo Program (MLP)

Intel® Desktop Board DN2820FYB

MLP Report

12/23/2013

Purpose:

This report describes the DN2820FYB 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 DN2820FYB 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)
DN2820FYB	FYBYT10H.86A.0015.2013.1210.1722	N/A - all technologies logo'd
Processor		
Speed	2.13GHz	
Family	Intel(R) Celeron(R) CPU N2820	
Bus Speed	NA	
Motherboard		
Board AA #	H22954-200	
Board FAB #	NA	
* 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	**1600MHz**	
Memory Type	**SODIMM Adata DDR3L 4GB x1**	
Connector Type	DDR3, 240 Pin	
Power Management		
BIOS Default	S3	
Operating System Tested		
	Check Tested	**Comments**
Windows 8.1 64-bit	☑	Windows 8.1 x64 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

Technology	OS	Version	Package version
Chipset Update Utility Intel® Chipset Software Utility	**Windows 8.1 x64**	9.4.4.1005	9.4.4.1006
Graphics Intel(R) HD Graphics	**Windows 8.1 x64**	10.18.10.3355	15.33.6.64.3355
Audio Intel Display Audio	**Windows 8.1 x64**	6.16.0.3129	15.33.6.64.3355
Audio Realtek High Definition Audio	**Windows 8.1 x64**	6.0.1.7058	6.0.1.7058
LAN Realtek PCIe GBE Family Controller	**Windows 8.1 x64**	8.20.815.2013	8020
TXE Intel(R) Trusted Execution Engine Interface	**Windows 8.1 x64**	1.0.0.1050	1.0.0.1060
CIR ITECIR Infrared Receiver	**Windows 8.1 x64**	5.2.1000	5.2.1.0
Wireless Intel Wireless-N 7260	**Windows 8.1 x64**	16.6.0.8	16.6
BlueTooth Intel Wireless-N 7260	**Windows 8.1 x64**	3.1.1311.400	3.1.1311G

Windows Hardware Certification Kit Used (WHCK)

Microsoft website: http://www.microsoft.com/whdc/DevTools/WDK/DTM.mspx

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	WHCK for Windows 8.1	WHCK for Windows 8

Errata and Contingencies

Operating System	Failing Test	Expiry Date	ID Number	Type	Error Description
Windows 8 .1	Lullaby Test (System)	Expires on: 12/31/2013	2899	filter	Issue Description: Issue Description: Some devices might take longer to connect to a system coming out of certain power states. When the issue happens specific error codes are produced by the

					system, namely AUDCLNT_E_DEVICE_INVALIDATED or ERROR_NOT_READY Issue Resolution: Filter out failures happening on Bluetooth devices and causing AUDCLNT_E_DEVICE_INVALIDATED or ERROR_NOT_READY
Windows 8 .1	UAA Test (System, Manual)	Expires on: 07/01/2014	354	filter	Issue Description: The FIFO size for Input and Output Stream Descriptors should be read only. Issue Resolution: Filter Covers failure
Windows 8 .1	System - Sleep and PNP (disable and enable) with IO Before and After (Certification)	Expires on: 12/31/2014	4664	filter	Issue Description: System - Sleep and PNP (disable and enable) with IO Before and After (Certification) to be waived while investigation is underway. Waiver 4663 is for failures seen in the logs and Waiver 4664 is for failures seen when a log is not generated. Issue Resolution: More information to come.
Windows 8 .1	Single Computer Display Object test	Expires on: 12/31/2014	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. Issue Resolution: Recognize this form factor and remove the need to have mouse/keyboard as part of the computer.

Test Notes

Operating System	Test	Description
Windows 8.1	BIOS download	Internal: http://bios.intel.com/downloads/ External: http://www.intel.com/ click on Support and Download
Windows 8.1	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 8.1	WHCK WHQL test	http://winqual.microsoft.com/member/SubmissionWizard/LegalExemptions/filterupdates.cab
Special H/W that use to PASS the test	None	None