Windows Hardware Logo Program Requirements: Reference List

January 14, 2008

Abstract

This paper provides links for the specifications cited in the Windows® Hardware Logo Program Requirements.

This information applies for the following operating systems:  
 Windows Vista®  
 Windows Server® 2008

The current version of this paper is maintained on the Web at:   
 <http://www.microsoft.com/whdc/resources/respec/specs/default.mspx>

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Revision History

|  |  |
| --- | --- |
| **Date** | **Change** |
| 01/14/2008 | Updated to specs cited in the current Windows Hardware Logo Program Requirements |
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## 1394 Trade Association

AV/C Camera Storage Subunit Specification, 2.0

Power Specification

<http://www.1394ta.org>

## Advanced Configuration and Power Interface

ACPI Specification, Revisions 2.0b, 2.3, and 3.0

<http://www.acpi.info>

## American National Standards Institute

T1.TR.56-1999, Performance Guidelines for Voiceband Services over Hybrid Internet/PSTN Connections

<https://www.atis.org>

## Audio Engineering Society

AES17-1998, AES standard method for digital audio equipment - Measurement of digital audio equipment

<http://www.aes.org/standards>

## Bluetooth SIG

Bluetooth HID Profile, Revision 1.0

Bluetooth Qualification Program Reference Document, Version 1.0

Enhanced Data Rate (EDR) Specification

Specification of the Bluetooth System, Version 1.2 or later

<https://www.bluetooth.org/apps/content/>

## CableLabs

OpenCable Unidirectional Receiver (OCUR) Specification

<http://www.cablelabs.com/>

## CSR

BlueCore Serial Protocol (BCSP) Transport Specification

<http://www.csrsupport.com>

## DVD Forum

DVD Specifications

<http://www.dvdforum.org>

## Electronic Industries Alliance

EIA-232-C (RS-232C)

EIA-608-B Closed Captioning

<http://members.ce.org>

## Electronic Industries Alliance/Consumer Electronics Association

EIA/CEA 770.x

EIA/CEA 861B A DTV Profile for Uncompressed High Speed Digital Interfaces

<http://members.ce.org>

## Hewlett Packard

EFI Boot Manager

<http://welcome.hp.com/country/us/en/welcome.html>

## Infrared Data Association

IrDA Link Access Protocol (IrLAP)

IrDA Link Management Protocol (IrLMP)

IrDA Physical Layer Link Specification (IrPHY)

IrDA Plug and Play - Extensions to IrLMP (IrPnP)

IrDA Tiny Transport Protocol (IrTinyTP)

<http://irda.affiniscape.com/>

## Institute of Electrical and Electronics Engineers

IEEE 1 - Wireless LANs

IEEE 1212-2001 CSR Architecture for Microcomputer Buses

IEEE 1284 Standard for Information Technology--Transport Independent Printer/System Interface (TIP/SI)

IEEE 1394 standards

IEEE 801.Q – Virtual LANs

IEEE 802.1D-2004 MAC Bridges

IEEE 802.1p - Traffic Class Expediting and Dynamic Multicast Filtering

IEEE 802.3 – LAN

<http://ieee.org/web/standards/home/index.html>

## Institute of Electrical and Electronics Engineers – Industry Standards and Technology Organization (IEEE-ISTO)

Printer Working Group 5107.1-2005 – Print Service Interface

<http://www.pwg.org/standards.html>

## Intel

AC'97 (Audio Codec '97)

ACR specification

Advanced Host Controller Interface (AHCI) Specification for Serial ATA

Communication and Networking Riser (CNR) Specification

Enhanced Host Controller Interface (EHCI) Specification for USB, Revision 2.0

Extensible Firmware Interface (EFI), 1.10 or later

High Definition Audio Specification DCRs

High Definition Audio Specification, Revision 1.0

IA-PC HPET Specification

Intelligent Platform Management Interface (IPMI), Version 1.5

Open Host Controller Interface [OHCI] Specification for USB

Universal Host Controller Interface [UHCI] Design Guide, Revision 1.1

USB2 Debug Device Functional Specification

Wireless Host Controller Interface (WHCI) Specification

Wireless USB Specification, Version 1.0 or later

<http://www.intel.com/>

## InterNational Committee for Information Technology Standards

ANSI/INCITS 269-1996: Fibre Channel Protocol for SCSI, Second Version (FCP-2)

ANSI/INCITS 330-2000 Reduced Block Command (RBC) Standard

ANSI/INCITS 373: Fibre Channel Framing and Signaling Interface (FC-FS)

ANSI/INCITS 386-2004 Fibre Channel HBA API (FC-HBA)

Multimedia Commands - 4 (MMC-4) or later

SCSI Architecture Model – 3 (SAM-3 or later)

SCSI Medium Changer Commands – 3 (SMC-3)

SCSI Parallel Interface – 4 (SPI-4) or later

SCSI Serial Bus Protocol – 2 (SBP-2)

SCSI Stream Commands – 2 (SSC-2)

SCSI-3 Specifications

Serial Attached SCSI (SAS) Specification 1-1 or later

T10/99-292r0 SCSI Block Commands - 2 (SBC-2)

T10/99-294r1 SCSI Primary Commands - 3 (SPC-3)

Third Generation Fibre Channel Physical and Signaling Interface (FC-PH-3)

AT Attachment Packet Interface-7 (ATA/ATAPI-7)

BIOS Enhanced Disk Drive (EDD) Services, (EDD-2), (EDD-3) Revision 7

Serial ATA: High Speed Serialized AT Attachment, Version 2.1

[http://webstore.ansi.org/ansidocstore/default.asp?#new](http://webstore.ansi.org/ansidocstore/default.asp?%23new)

## International Electrotechnical Commission

IEC 61880

IEC 61966-4 Multimedia Systems and Equipment - Colour Measurement and Management

<http://domino.iec.ch/webstore/webstore.nsf/shop_entry.htm?OpenPage>

## International Organization for Standardization

ISO 13491-1:1998 Banking--Secure Cryptographic Devices (retail)

ISO 7779 -:1999 - Acoustics -- Measurement of airborne noise emitted by information technology and telecommunications equipment

ISO/PRF 15740 (formerly PIMA 15740)

<http://www.iso.org/iso/en/prods-services/ISOstore/store.html>

## International Organization for Standardization/International Electrotechnical Commission

ISO/IEC 7816-3 (1997-12-15)

<http://www.iso.org/iso/en/prods-services/ISOstore/store.html>

## International Telecommunications Union

ITU Recommendations BT.653, H.221, H.320, T.31, T.32, V.17, V.34, V.42, V.90, V.110, V.120, V.250, V.253

ITU-T Recommendation P.310, Transmission Characteristics for Telephone Band (300-3400Hz) Digital Telephones

ITU-T Recommendation P.340, Transmission Characteristics of Hands-free Telephones

<http://www.itu.int/publibase/catalog/>

## Internet Engineering Task Force

North American Basic Teletext Specification (NABTS) Specification (RFC 2728)

Simple Network Management Protocol (SNMP) (RFC 2570),

RFCs 791, 793, 813, 894, 1042, 1122, 1191, 1323, 1622, 1752, 1981, 2012, 2374, 2460, 2461, 2525, 2581, 2675, 2711, 2988, 3122, 3270, 3271, 3273, 3396, 3513, 3720, 3721, 3723

Securing Block Storage Protocols over IP (RFC 3723)

<http://www.ietf.org>

## Microsoft

A Wave Port Driver for Real-Time Audio Streaming

<http://www.microsoft.com/whdc/device/audio/wavertport.mspx>

Audio Device Class Power Management Reference Specification, Version 1.0

<http://www.microsoft.com/whdc/resources/respec/specs/pmref/PMaudio.mspx>

Audio Driver Support for the WMA Pro-over-S/PDIF Format

<http://www.microsoft.com/whdc/device/audio/wmadrv.mspx>

Communications Device Class Power Management Reference Specification, Version 1.0

<http://www.microsoft.com/whdc/resources/respec/specs/pmref/PMcom.mspx>

Debug Port Specification, Version 1.0

<http://www.microsoft.com/whdc/archive/debugspec.mspx>

Design Guidelines for PC Card and CardBus, Version 1.1

<http://go.microsoft.com/fwlink/?LinkId=40541>

DirectX SDK

<http://www.microsoft.com/downloads/details.aspx?FamilyID=EDB98FFA-A59C-4C23-9B92-BA304F188314&displaylang=en>

Dynamic Hardware Partitioning Requirements Specification

E-mail <DPFB@microsoft.com>

HID Audio Controls and Windows

<http://go.microsoft.com/fwlink/?LinkId=40491>

Hot Add Flow and Requirements

E-mail [DPFB@Microsoft.com](mailto:DPFB@Microsoft.com)

Hot Replace Flow and Requirements

E-mail [DPFB@Microsoft.com](mailto:DPFB@Microsoft.com)

Key Support, Keyboard Scan Codes, and Windows

<http://go.microsoft.com/fwlink/?LinkId=36767>

Legacy Plug and Play Guidelines

<http://www.microsoft.com/whdc/system/platform/pcdesign/desguide/pcguides.mspx>

Media Status Notification Support Specification, Version 1.03

<http://download.microsoft.com/download/1/6/1/161ba512-40e2-4cc9-843a-923143f3456c/atamed.rtf>

Media Transfer Protocol Specification

<http://msdn2.microsoft.com/en-us/library/ms867188.aspx>

Microphone Array Support in Windows Vista

<http://www.microsoft.com/whdc/device/audio/MicArrays.mspx>

MPIO DDK

E-mail [mpiopm@microsoft.com](mailto:mpiopm@microsoft.com)

Network Device Class Power Management Reference Specification, Versions 1.0 and 2.0

<http://www.microsoft.com/whdc/resources/respec/specs/pmref/PMnetwork.mspx>

PCI Device Subsystem IDs for Windows

<http://www.microsoft.com/whdc/system/bus/PCI/pciids.mspx>

Pin Configuration Guidelines for High Definition Audio Devices

<http://www.microsoft.com/whdc/device/audio/PinConfig.mspx>

Plug and Play External COM Device Specification

<http://www.microsoft.com/whdc/resources/respec/specs/pnpcom.mspx>

Plug and Play Guidelines for High Definition Audio Devices

<http://www.microsoft.com/whdc/device/audio/HD-aud_PnP.mspx>

Plug and Play Parallel Port Device Specification

<http://www.microsoft.com/whdc/resources/respec/specs/pnplpt.mspx>

UAA 1394 Audio Design Guidelines

<http://www.microsoft.com/whdc/device/stream/default.mspx>

Universal Audio Architecture Hardware Design Guidelines

<http://www.microsoft.com/whdc/device/audio/UAA_HWdesign.mspx>

Universal Audio Architecture Initiative

<http://windows/sites/uaa/default.aspx>

Windows Color Quality Test Kit

<http://go.microsoft.com/fwlink/?LinkId=36760>

Windows Connect Now (WCN) Architecture

<http://www.microsoft.com/whdc/device/netAttach/WCN.mspx>

Windows Driver Kit

<http://www.microsoft.com/whdc/driver/WDK/aboutWDK.mspx>

Windows Vista Aero for Hardware guide

E-mail [agfb@microsoft.com](mailto:agfb@microsoft.com)

Windows Vista Aero for Hardware guide

E-mail [agfb@microsoft.com](mailto:agfb@microsoft.com)

Windows Vista Hardware Start Button Specification

<http://www.microsoft.com/whdc/winlogo/hwrequirements.mspx>

XML Paper Specification

<http://www.microsoft.com/whdc/xps/xpsspec.mspx>

## Moving Picture Experts Group

MPEG-2 Audio

<http://www.chiariglione.org/mpeg/standards.htm>

## Peripheral Component Interconnect

PCI Express Base Specification, Revision 1.0a

PCI Express to PCI/PCI-X Bridge Specification, Revision 1.0, Appendix A

PCI Firmware Specification, Revision 3.0

PCI Local Bus Specification, Revision 2.3

PCI-to-PCI Bridge Architecture Specification, Revision 1.2

PCI-X Addendum 2.0

<http://www.pcisig.com/specifications/order_form>

## Personal Computer Memory Card International Association

PC Card Standard, Release 7 or later

<http://www.pcmcia.org/order.htm>

## Philips

Compact Disk Digital Audio System Description (Red Book)

<http://www.licensing.philips.com>

## Phoenix Technologies

"El Torito" Bootable CD-ROM Format Specification, Version 1.0 (written with IBM)

BIOS Boot Specification, Version 1.01 (written with Compaq and Intel)

System Management BIOS (SMBIOS) Reference Specification, Version 2.4 or later

<http://www.phoenix.com/en/Customer+Services/White+Papers-Specs/pc+industry+specifications.htm>

## SD Card Association

SD Host Controller Specification, Version 1.0

<http://www.sdcard.org/home>

## Serial ATA

Serial ATA II Specification, Revision 2.5

<http://www.serialata.org>

## SFF Committee

SFF 8070i, Specification for ATAPI Removable Rewriteable Media Devices, Version 1.1

<http://www.sffcommittee.com/ie/Specifications.html>

## Telecommunications Industries Association

TIA-602

TIA-578-A Asynchronous Facsimile DCE Control Standard

TIA-592

<http://www.tiaonline.org>

## Trusted Computer Group

TPM Interface Specification, Version 1.2

TPM Main Specification, Version 1.2, Revision 81

<https://www.trustedcomputinggroup.org/specs/>

## TWAIN Working Group

TWAIN Specification, Version 1.7

<http://www.twain.org/>

## Universal Serial Bus

USB Class Definitions for Communication Devices, Version 1.1 or later

USB Class Definitions for Video Devices

USB Device Class Definition for Audio Devices

USB Device Class Definition for Human Interface Devices (HID), Version 1.1

USB Device Class Definition for Printing Devices, Version 1.1

USB Device Class Specification for USB Chip/Smart Card Interface Devices, Revision 1.00 or later

USB Device Class: Smart Card Specification for Integrated Circuit(s) Cards Interface Devices, Revision 1.00 or later

USB IrDA Bridge Device Definition, Revision 1.0 or later

USB Mass Storage Class Bulk-Only Transport

USB Mass Storage Class Specification Overview, V 1.2

USB Mass Storage Class Specification: UFI Command Specification

USB Mass Storage Class: Control/Bulk/Interrupt (CBI) Transport

USB Mass Storage Specification for Bootability

USB Specification, Revisions 1.1 and 2.0

USB Usage Tables for HID Power Devices, Release 1.1

<http://www.usb.org/developers/devclass_docs>

## UPnP Forum

Internet Gateway Device (IGD), Version 1.0

<http://www.upnp.org>

## Video Electronics Standards Association

VESA Enhanced Extended Display Identification Data (E-EDID) Standard, Version 1.3

VESA Generalized Timing Formula (GTF), Version 1.1

VESA Industry Standards and Guidelines for Computer Display Monitor Timing (DMT) Standard - Version 1 Revision 0.8

<http://www.vesa.org>

## Wi-Fi Alliance

Wi-Fi Multimedia (WMM) Specification

<http://www.wi-fi.org>