
Appendix D Master Reference List

The following represents a consolidation of the references, services, and tools available to help build hardware that is optimized to work with Windows operating systems presented at the end of each chapter of this design guide.

1394 Open Host Controller Interface Specification, Release 1.1

<http://www.microsoft.com/hwdev/1394/>

http://developer.intel.com/technology/1394/download/ohci_11.htm

1394 Trade Association Power Specification Part 1: Cable Power Distribution
1394 Trade Association Power Specification, Part 3: Power State Management

<ftp://ftp.p1394pm.org/pub/p1394pm/>

1394 Trade Association:

E-mail: 1394-sig@1394ta.org

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

Accelerated Graphics Port Interface Specification, Revision 2.0

<http://developer.intel.com>

“ACPI Docking for Windows 2000”

<http://www.microsoft.com/hwdev/onnow/ACPIDock.htm>

Advanced Configuration and Power Interface Specification, Revision 1.0b (ACPI 1.0b)

<http://www.teleport.com/~acpi/>

AGP Pro Specification, Revision 1.1a

http://www.agpforum.org/downloads/apro_r10.pdf

An Interoperable End-to-end Broadband Service Architecture over ADSL Systems (Version 3.0)

<http://www.microsoft.com/hwdev/network/dsl/>

Application Specification for Microsoft Windows 2000, for desktop applications, Version 1.0

<http://msdn.microsoft.com/certification/appspec.asp>

ATA Attachment with Packet Interface – 5 (ATA/ATAPI-5)

<ftp://fission.dt.wdc.com/pub/standards/x3t13/project/d1321r3.pdf>

ATA and ATAPI draft standards and other working documents

<http://www.t13.org>

Global Engineering Documents

<http://global.ihs.com/>

ATAPI Removable Media Device BIOS Specification, Version 1.0

<http://www.ptltd.com/techs/specs.html>

ATAPI Removal Rewriteable Media Devices (INF-8070i)

<ftp://fission.dt.wdc.com/pub/standards/SFF/specs/INF-8070.PDF>

ATM User Network Interface (UNI) Specification Version 3.1, 1/e

Prentice Hall; 1995

ISBN 0-13-393828-X

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

ATSC Digital Television Standard and Amendment No.1 (A/53)

National Association of Broadcasters

(800) 368-5644

Society of Motion Picture and Television Engineers, (914) 761-1100

E-mail: mktg@smpte.org

http://www.atsc.org/Standards/stan_rps.html

Audio Codec '97, Revision 2.1

<http://developer.intel.com/ial/scalableplatforms/audio/index.htm>

Audio Device Class Power Management Reference Specification, Version 1.0

<http://www.microsoft.com/hwdev/specs/PMref/>

Audio/Modem Riser Card Specification, Revision 1.01

<http://developer.intel.com/ial/scalableplatforms/audio/index.htm>

BIOS Boot Specification, Version 1.01

<http://www.ptltd.com/techs/specs.html>

Bluetooth Special Interest Group (SIG): See *Specification of the Bluetooth System*

Boot Integrity Services Application Programming Interface, Version 1.0

<http://developer.intel.com/ial/wfm/wfmspecs.htm>

Color Management and Windows Operating Systems Web page

<http://www.microsoft.com/hwdev/color/>

Common Application Environment (CAE) Specification

<http://www.opengroup.org/onlinepubs/9629399/toc.htm>

Communications Device Class Power Management Reference Specification, Version 1.0

<http://www.microsoft.com/hwdev/specs/PMref/>

Computer Display Monitor Timing Specifications, Version 1, Rev. 0.8

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

- Data-Over-Cable Service Interface Specifications (DOCSIS)*
<http://www.cablemodem.com/>
- Debug Port Specification*
<http://www.microsoft.com/hwdev/NewPC/debugspec.htm>
- Default Device Class Power Management Reference Specification, Version 1.0*
<http://www.microsoft.com/hwdev/specs/PMref/>
- Device Bay Specification, Version 1.0*
<http://www.device-bay.org>
- Device class power management reference specifications
<http://www.microsoft.com/hwdev/specs/PMref/>
- Digital Visual Interface (DVI), Revision 1.0*
<http://www.ddwg.org>
- Display Device Class Power Management Reference Specification, Version 1.0b*
<http://www.microsoft.com/hwdev/specs/PMref/>
- Display Technology Web page
<http://www.microsoft.com/hwdev/display/>
- DOCSIS: See *Data-Over-Cable Service Interface Specifications*
- DVB/DAVIC (Digital Video Broadcasting/Digital Audio Visual Council)
<http://www.dvb.org>
<http://www.davic.org>
- “DVD and Microsoft Operating Systems”
<http://www.microsoft.com/hwdev/devdes/dvdwp.htm>
- DVD Specification, Version 1.0*
Toshiba Corporation
<http://www.toshiba.com>
- DVD Specifications for Rewritable Disc, Part 1: Physical Specifications*
Toshiba Corporation
<http://www.toshiba.com>
- Easy PC Initiative and legacy-free design
<http://developer.intel.com/technology/easeofuse/>
<http://www.microsoft.com/hwdev/newpc/>
- ECMA Standards: *ECMA-267 (DVD-ROM), ECMA-272, 273 (DVD-RAM) and ECMA-274 (+RW)*
<http://www.ecma.ch/>
- EIA standards
Global Engineering Documents
<http://global.ihs.com/>

“El Torito” Bootable CD-ROM Format Specification, Version 1.0

<http://www.ptltd.com/techs/specs.html>

Enhanced BIOS Services for Disk Drives [T13-1226DT], Revision 7

<http://global.ihs.com>

Enhanced Host Controller Interface Specification for Universal Serial Bus 2.0

To be published on <http://www.usb.org/> when available

European Telecommunications Standards Institute (ETSI) or Global System
for Mobile (GSM) standards

Phone: +33-92 94 42 00

FAX: +33-93 65 47 16

E-mail: secretariat@etsi.fr

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

Global Engineering Documents

<http://global.ihs.com>

Handshake procedures for digital subscriber line (DSL) transceivers

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

“HID Support Routines for MiniDrivers”

<http://www.microsoft.com/DDK/>

Home Phoneline Networking Alliance Spec, Version 1.0

<http://www.homepna.org>

Home Radio Frequency (HomeRF) Working Group

<http://www.homerf.org>

Hot-Plug PCI and Windows 2000 Web page

<http://www.microsoft.com/hwdev/pci/hotplugpci.htm>

Icons for PCs Web page

<http://www.pcdesguide.org/documents/icons.htm>

*IEC 61966-2-1 Multimedia systems and equipment – Colour measurement and
management – Part 2-1: Colour management – Default RGB colour space
– sRGB*

<http://www.iec.ch>

IEEE 802.14 Cable TV Working Group

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

IEEE 1212-2000

IEEE 1394-1995 Standard for a High Performance Serial Bus

IEEE 1394a-2000 amendment to IEEE 1394-1995

IEEE P1394b

Other IEEE standards

<http://standards.ieee.org/reading/ieee/std/busarch/1394-1995.pdf>

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

<http://global.ihs.com>

IEEE specifications

ASKIEEE

Phone: (800) 949-4333

Fax: (212) 310-4091

E-mail: askieee@ieee.org

<http://www.ieee.org>

Global Engineering Documents

Fax: (303) 397-2740

Phone: (800) 854-7179 (US)

(613) 237-4250 (Canada)

(303) 792-2181 (Outside North America)

Fax: 1 (303) 397-2740

<http://global.ihs.com/>

Implementing Legacy Audio Devices on the PCI Bus

<http://developer.intel.com/ial/scalableplatforms/audio/doc.htm>

Infrared Data Association (IrDA) documents

Infrared Data Association

PO Box 3883

Walnut Creek, CA 94598 USA

Phone: (510) 943-6546

Fax: (510) 943-5600

E-mail: info@irda.org

<http://www.irda.org/standards/specifications.asp>

Infrared Extensions to the NDIS Version 4.0 Functional Specification

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

Instantly Available PC System Power Delivery Requirements and Recommendations

<http://developer.intel.com/design/power/supply98.htm>

Instantly Available Power Managed Desktop PC Design Guide

<http://developer.intel.com/technology/iapc/tech.htm>

Intel information for developers

<http://developer.intel.com>

- International Color Consortium (ICC)
<http://www.color.org>
- Interoperability Specification for ICCs and Personal Computer Systems Specification, Revision 1.0 (PC/SC Specification)*
<http://www.pcscworkgroup.com/>
- “IP Multicast over Token-Ring Local Area Networks”
RFC 1469
<http://www.rfc-editor.org/rfc.html>
- Infrared Transfer Picture Specification (IrTran-P), Version 1.0*
<http://www.irda.org/standards/specifications.asp>
- IrDA Control Specification*
IrDA Serial Infrared Data Link Standard Specifications
<http://www.irda.org/standards/specifications.asp>
- Other IrDA specifications
<http://www.irda.org>
- ISO/IEC 7811-1:1995 Identification Cards—Recording technique—Part 1: Embossing*
<http://www.iso.ch/cate/d14717.html>
- ISO/IEC 7811-3:1995 Identification Cards—Recording technique—Part 3: Location of embossed characters on ID-1 cards*
<http://www.iso.ch/cate/d14721.html>
- ISO/IEC 7813:1995 Identification Cards—Financial transaction cards*
<http://www.iso.ch/cate/d14731.html>
- ISO/IEC 7816-1:1998 Identification cards—Integrated circuit(s) cards with contacts—Part 1: Physical characteristics*
<http://www.iso.ch/cate/d29257.html>
- ISO/IEC 7816-2:1999 Information technology—Identification cards—Integrated circuit(s) cards with contacts—Part 2: Dimensions and location of the contacts*
<http://www.iso.ch/cate/d26536.html>
- ISO/IEC 7816-3:1997 Information technology—Identification cards—Integrated circuit(s) cards with contacts—Part 3: Electronic signals and transmission protocols*
<http://www.iso.ch/cate/d14735.html>
- ISO/IEC 10373:1993 Identification cards—Test methods*
<http://www.iso.ch/cate/d18434.html>

*ISO 13491-1:1998 Banking—Secure cryptographic devices (retail)—Part 1:
Concepts, requirements and evaluation methods*

<http://www.iso.ch/cate/d19521.html>

Ordering information:

ISO Central Secretariat

Post Office Box 56

CH-1211 GENE

Switzerland

Phone: +22-749-011

Fax: +22-733-3430

E-mail: sales@iso.ch

Catalog of available standards at:

<http://www.iso.ch/cate/cat.html>

ITU (International Telecommunication Union) communications standards

E-mail: sales@itu.ch

<http://www.itu.ch>

“Kernel Streaming Overview”

<http://www.microsoft.com/ddk/>

Key Support and Keyboard Scan Codes for Windows Web page

<http://www.microsoft.com/hwdev/desinit/scancode.htm>

Legacy Plug and Play Guidelines

<http://www.pcdesguide.org/LegacyPnP/>

Low Pin Count (LPC) Interface Specification

<http://developer.intel.com/design/chipsets/industry/lpc.htm>

Media Status Notification Support Specification, Version 1.03

<http://www.microsoft.com/hwdev/respec/storspec.htm>

Microsoft DirectInput DDK provided with the Windows 98 DDK

<http://www.microsoft.com/ddk/>

Microsoft DirectShow

<http://msdn.microsoft.com/directx/>

Microsoft information for hardware manufacturers

<http://www.microsoft.com/hwdev/>

E-mail: ihv@microsoft.com

Microsoft Windows Hardware Quality Laboratory testing tools

<http://www.microsoft.com/hwtest/>

Microsoft Windows Logo Program for Hardware Web page

<http://www.microsoft.com/hwdev/winlogo/>

Modem Technology Web page

<http://www.microsoft.com/hwdev/modem/>

MSDN Professional membership

Fax: (425) 936-7329, Attn: Developer Network

E-mail: msdn@microsoft.com

<http://msdn.microsoft.com/subscriptions/>

Multifunction Print Device Design Guidelines

<http://www.microsoft.com/hwdev/mf/mfp.htm>

Multimedia Commands – 2 (MMC-2)

ANSI NCITS 333-2000

<ftp://ftp.t10.org/t10/drafts/mmc2/mmc2r11a.pdf>

*MultiRead Specifications for CD-ROM, CD-R, CD-R/RW, & DVD-ROM Devices,
Revision 1.11*

<http://www.osta.org/html/mrspec.html>

*Multisession Compact Disc Specification Enhanced Music CD Specification,
Version 1.0*

Philips Consumer Electronics B.V.

Coordination Office Optical–Magnetic Media Systems

Building SWA-109, PO Box 80002

5600 JB Eindhoven, The Netherlands

Fax: (31) (40) 732113

Network Device Class Power Management Reference Specification, Version 1.0a

<http://www.microsoft.com/hwdev/specs/PMref/>

New Key Support for Windows Web page

<http://www.pcdesguide.org/documents/keycode.htm>

OpenHCI: Open Host Controller Interface Specification for USB, Release 1.0a

<http://www.microsoft.com/hwdev/respec/busspecs.htm>

Specification drafts:

<http://www.microsoft.com/hwdev/1394/>

OnNow and Power Management Web page

<http://www.microsoft.com/hwdev/onnow/>

PAE Server Design Web page

<http://www.microsoft.com/hwdev/pae/>

PC Card Standard, Release 7

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

PC Design Guides Web page

<http://www.pcdesguide.org>

PC Card and CardBus Guidelines, Version 1.1

<http://www.pcdesguide.org/library/pccard.htm>

- PCI Bus Power Management Interface Specification, Revision 1.1*
PCI Bus Power Management Interface Specification, Revision 1.0
PCI SIG
Phone: (800) 433-5177
<http://www.pcisig.com/developers/specification/>
“PCI Device Subsystem IDs and Windows”
<http://www.microsoft.com/hwdev/devdes/pciids.htm>
- PCI Hot-Plug Specification, Revision 1.0*
<http://www.pcisig.com/developers/specification/>
- PCI IDE Controller Specification, Revision 1.0*
<http://www.pcisig.com/developers/docs/>
- PCI Local Bus Specification, Revision 2.2 (PCI 2.2)*
<http://www.pcisig.com/developers/specification/>
- PCI to PCI Bridge Architecture Specification Rev. 1.1*
PCI SIG
Phone: (800) 433-5177
<http://www.pcisig.com/developers/specification/>
- PCI-X Specification, Revision 1.0 (PCI-X 1.0)*
<http://www.pcisig.com/developers/specification/>
- Personal Computer Audio Quality Measurements*
by Dr. Steven Harris and Cliff Sanchez, Crystal Semiconductor
<http://www.cirrus.com/products/papers/meas/meas.html>
- PIMA 15740:2000 Photography – Electronic still picture imaging – Picture Transfer Protocol (PTP) for Digital Still Photography Devices*
http://www.pima.net/standards/it10/IT10_POW.htm#15740
See also the implementation guidelines in the Windows 2000 DDK.
- Plug and Play External COM Device Specification, Version 1.0*
Plug and Play ISA Specification, Version 1.0a and Clarifications to the Plug and Play ISA Specification, Version 1.0a
Plug and Play Parallel Port Devices, Version 1.0b
Plug and Play Design Specification for IEEE 1394, Version 1.0c
<http://www.microsoft.com/hwdev/respec/pnpspecs.htm>
- Preboot Execution Environment (PXE) Specification, Version 2.1*
<http://developer.intel.com/ial/wfm/wfmspecs.htm>
- Reduced Block Commands (RBC)*
<ftp://ftp.t10.org/t10/drafts/rbc/rbc-r10a.pdf>

RFC 1469: See “IP Multicast over Token-Ring Local Area Networks.”

RFC 1179

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<http://www.rfc-editor.org/rfc.html>

“SBP-2 Support and Windows 2000”

http://www.microsoft.com/hwdev/print/sbp2_w2000.htm

“Scan Codes for Keyboard Power Switches”

<http://www.microsoft.com/hwdev/desinit/scancode.htm>

SCSI-3 Block Commands (SBC)

<ftp://ftp.t10.org/t10/drafts/sbc/sbc-r08c.pdf>

SCSI-3 Parallel Interface (SPI)

ANSI X3.253-1995

http://web.ansi.org/public/std_info.html

SCSI Multimedia Commands – 2 (MMC-2)

ANSI NCITS 333-2000

<ftp://ftp.t10.org/t10/drafts/mmc2/mmc2r11a.pdf>

SCSI Parallel Interface – 2 (SPI-2)

ANSI X3.302-1998

http://web.ansi.org/public/std_info.html

SCSI Parallel Interface-3 (SPI-3)

<ftp://ftp.t10.org/t10/drafts/spi3/spi3r14.pdf>

SCSI standards and documents, other

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(303) 792-2181 (Outside North America)

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<http://global.ihs.com/>

Serial Bus Protocol 2 (SBP-2)

ANSI NCITS 325-1998

http://web.ansi.org/public/std_info.html

Shared Wireless Access Protocol (SWAP) Specification, Version 1.1

<http://www.homerf.org/tech/>

Smart Battery Charger Specification, Revision 1.1

Smart Battery Data Specification, Revision 1.1

Smart Battery System Manager Specification, Revision 1.0

<http://www.sbs-forum.org/specs/>

- Specification of the Bluetooth System, Volume 1: Core, v1.0 B*
Specification of the Bluetooth System, Volume 2: Profiles, v1.0 B
Bluetooth Special Interest Group (SIG)
<http://www.bluetooth.com>
- Specification ICC.1:1998-09 File Format for Color Profiles*
http://www.color.org/ICC-1_1998-09.PDF
- Specification of the Bluetooth System, Volume 1: Core, Version 1.0 B*
Specification of the Bluetooth System, Volume 2: Profiles, Version 1.0 B
<http://www.bluetooth.com>
- STD-201: Extensions to NDIS for Wireless WANs*
<http://www.pcca.org/standards/standards.htm>
- Storage Device Class Power Management Reference Specification, Version 1.0a*
<http://www.microsoft.com/hwdev/specs/PMref/>
- Storage Technology Web page
<http://www.microsoft.com/hwdev/storage/>
- “Supporting Removable Devices under Windows”
http://www.microsoft.com/hwdev/busbios/rem_devs.htm
- System Management BIOS Reference Specification, Version 2.3*
<http://www.phoenix.com/techs/specs.html>
- System Test Implementers Forum
<http://www.systemtest.org>
- TIA and other standards:
Global Engineering Documents
Phone: (800) 854-7179 (US)
(613) 237-4250 (Canada)
(303) 792-2181 (Outside North America)
Fax: (303) 397-2740
<http://global.ihs.com/>
- TWAIN Specification, Version 1.7*
<http://www.twain.org/docs/>
- Unimodem Diagnostics Command Reference Specification*
<http://www.microsoft.com/hwdev/respec/commspec.htm>
- Universal Host Controller Interface (UHCI) Design Guide, Revision 1.1*
http://www2.fm.intel.com/pcd_ae/public/general/specs_ind/USB/uhci_1_1.pdf

Universal Serial Bus Class Definitions for Communication Devices, Version 1.0
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Universal Serial Bus Device Class Definition for Audio Devices, Release 1.0
Universal Serial Bus Device Class Definition for Device Bay Controllers
Universal Serial Bus Device Class Definition for Printing Devices, Version 1.1
Universal Serial Bus Mass Storage Class Specification Overview, V1.0 Revision
Universal Serial Bus PC Legacy Compatibility Specification, 0.9 Draft Revision

http://www.usb.org/developers/devclass_docs.html

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http://www.usb.org/developers/data/devclass/hid1_1.pdf

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<http://www.microsoft.com/hwdev/video/clrtype.htm>

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<http://www.usb.org/developers/hidpage.html>

USB Imaging Class Specification

USB Monitor Control Class Specification, Revision 1.0

USB Still Image Capture Device Definition Specification

<http://www.usb.org/developers/docs.html>

http://www.usb.org/developers/devclass_docs.html

U.S. T1 committee Technical Report TR-59, "Single-Carrier Rate Adaptive Digital Subscriber Line (RADSL)"

<http://www.t1.org/html/trs.htm>

VESA BIOS Extension Standard/Core Functions 2.0 (VBE/Core 2.0)

VESA Display Data Channel (DDC) Standard, Version 3

VESA Enhanced Extended Display Data Channel Standard (E-DDC), Version 1

VESA Enhanced Extended Display Identification Data Standard (E-EDID), Release A

VESA Extended Display Identification Data (EDID) Standard, Version 3

VESA Generalized Timing Formula (GTF), Version 1.1

Video Electronics Standards Association (VESA)

Phone: (408) 435-0333

Fax: (408) 435-8225

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

Videophone-ready Modem Handbook, Version 1.0

<http://developer.intel.com/ial/vidred/index.htm>

- “WDM Kernel Streaming Architecture”
<http://www.microsoft.com/hwdev/desinit/csa1.htm>
- Windows 95 DDK, Windows 98 DDK, Windows Me DDK, Windows 2000 DDK, DirectX DDK and SDK, and Microsoft Platform SDK, including information about WDM and NDIS
<http://www.microsoft.com/ddk/>
<http://msdn.microsoft.com/library/default.asp>
- “Windows 98 MS-DOS Box Game Compatibility”
<ftp://download.intel.com/ial/sm/compatibility.pdf>
- “Windows color quality specifications for printer OEMs”
<http://www.microsoft.com/hwdev/color/>
- Windows Driver Model (WDM) Technology Web page
<http://www.microsoft.com/hwdev/wdm/>
- Windows Hardware Instrumentation Implementation Guidelines, Version 1.0*
White papers and guidelines for WMI
<http://www.microsoft.com/hwdev/WMI/>
- Windows Logo Program Requirements
<http://www.microsoft.com/hwdev/winlogo/>
- Windows Image Acquisition Web page
<http://www.microsoft.com/hwdev/wia/>
- “Windows Support for HID-based Audio Controls”
<http://www.microsoft.com/hwdev/hid/audctrl.htm>
- Windows Update Web page
<http://windowsupdate.microsoft.com>
- Wired for Management Baseline*
Version 1.1a
Version 2.0 Release — <http://developer.intel.com/ial/wfm/wfmspecs.htm>