



Sources for Accessories

IrDA Related References

Infrared Data Association IrDA

P. O. Box 3883
2855 Mitchell Drive, Suite 107
Walnut Creek, CA 94598
Phone: +1 925 943-6546
Fax: +1 925 943-5600
Email: information@irda.org
<http://www.irda.org>

Software

Microsoft Corporation

IrDA is supported by Windows 95[®], Windows 98[®], Windows NT[®], Win CE[®], Windows 2000[®], Windows XP[®] and Palm PC[®] platforms.

IrDA device drivers are either already included in the software package or can be downloaded from the Microsoft website.

One Microsoft Way, 5/2153
Redmond, WA 98052-6399, USA
<http://www.microsoft.com>

ACTiSYS

ACTiSYS Corp has been a leading supplier of Infrared wireless IrDA and ASK-IR protocol software and adapters for 115.2 kbit/s and 4 Mbit/s since 1990.

ACTiSYS also provides test software and hardware for IRDA compatibility testing.

ACTiSYS

48511 Warm Springs Blvd., Suite #206
Fremont, CA 94539
USA
Phone: +1 510-490-8024
<http://www.actisys.com>

Laplink Software

Laplink Software Inc.
10210 NE Points Drive, Suite 400
Kirkland, WA 98033, USA
Phone: +1 425 952-6000
Fax: +1 425 952-6002
<http://www.travsoft.com/>



Plastics

In our products we use polycarbonate (PC) and polymethylmethacrylate (PMMA) for optical window and as filter material. Therefore we recommend these materials and list some sources.

Polycarbonate (PC)

PC is available under many different trade names and supplied by many manufacturers and distributors. A comprehensive list can be found at http://www.matweb.com/reference/polycarbonate_mfr.asp

Some product names of PC material

Product	Manufacturer
Calibre	DOW
Durolon	Policarbonatos do Brasil
Enduran	GE
Jupilon	Mitsubishi
Lexan	GE
Lupoy	LG Chemical
Makrolon	Bayer
Wonderlite	Chi Mei

Some manufacturers are listed below. Contact them for local distributors.

Bayer "Makrolon®"

<http://www.plastics.bayer.com>

USA

Bayer MaterialScience LLC

Pittsburgh, Pennsylvania
100 Bayer Road
Pittsburgh, PA 15205-9741
www.BayerMaterialScienceNAFTA.com
Phone: 800-662-2927
Phone: +1 (412) 777-2000
Fax: +1 (412) 777-3899

GERMANY

Bayer MaterialScience AG

RSC EMEA
Leverkusen, Deutschland
www.bayerplastics.com

Korea

www.bayer.co.kr

The Dow Chemical Company

www.dow.com

(see Calibre polycarbonate resins)

General Electric Plastics "Lexan®"

EUROPE

GE Plastics B.V.
Plasticslann 1
Bergen op Zoom
4612PX

Netherlands

Phone: +31 164-292911
<http://www.geplastics.com>

Germany

GE Plastics GmbH
Eisenstrasse 5
65428 Rüsselsheim
Postfach 1362-65402
Phone: +49 6142 6010

USA

GE Plastics
Technology Centre
1 Plastics Avenue
Pittsfield / MA 01201
Phone: +1 413 448-5800
Fax: +1 413 448-7493

Sources for Accessories and Testing



Vishay Semiconductors

PMMA (Polymethylmethacrylate)

PMMA is available under many different trade names and supplied by many manufacturers and distributors.

Some product names of PMMA material

Product	Manufacturer
Acrylite	Cyro
Acryrex	Chi Mei
Acrystex	Chi Mei
Altuglas	Atoglas
Degalan	Degussa-Röhme
Diakon	Lucite
Orogas/Altuglas	Arkema (Atoglas)
Plexiglas	Degussa-Röhme

Some manufacturers are listed below. Contact them for local distributors.

Altuglas

Based on the history of Rohm & Haas, formerly known as Atoglas and Arkema

www.plexiglas.com

www.altuglas.com

www.altumax.com

USA

Altuglas International

www.plexiglas.com/altuglas/plex2.cfm

Altuglas International c/o Arkema

2000 Market Street

Philadelphia PA 19103

Phone: +1 215 419-7000

Fax: +1 215 419-7591

Chi Mei Corporation

No. 59-1, San Chia, Jen Te, Tainan County, Taiwan 71702

Phone: +886-6-2663000.2665000 Ext. 1372

Fax: +886-6-2665555~7

service@mail.chimei.com.tw

Lucite

www.lucite.com

Cyro Industries

Cyro is the North American arm of the Röhm/Degussa group

Technical Service

Orange, Conn. 06477

Phone: +1 203 799-4066

www.cyro.com

For Europe see

www.degussa.com

Polycast Technology Corporation

70 Carlisle Pl Ste 1

Stamford, CT 06902-7630

Phone: +1 203 327 6010

Distributors (USA)

Calsak Corporation

200 W. Artesia Blvd.

Compton, CA 90220

Phone: (800) 743-2595

+1 310 637-2000

Fax: +1 310 637-3696

E-mail: calsak@calsak.com

www.calsakpolymers.com

Plastic Sales Incorporated

849 W. 18th St.

Costa Mesa, Calif. 92627

Phone: +1 714 645-6860

Regal Plastics

Southern Region

2356 Merrell Road

Dallas, TX 75229

Phone: +1 972 484-0741 or (800) 441-1553

Fax: +1 972 484-0746

Specialty Manufacturing Inc.

6790 Nancy Ridge Dr.

San Diego, CA 92121-2230

Phone: +1 858 450-1591

Phone: 800 491-1652

Fax: +1 858 450-0400



Interface Circuits

National Semiconductor Corporation

National Semiconductor Corporation, a Fortune 500 company headquartered in Santa Clara, California, develops and manufactures semiconductor products for high growth markets in the electronics equipment industry. Their Super I/O ICs provide IrDA encoding/decoding function as well as single chip solutions for floppy disk control, keyboard control, dual UARTs, parallel port and IDE interface.

World Headquarters

National Semiconductor Corporation

2900 Semiconductor Dr.
P. O. Box 58090
Santa Clara, California
USA 95052-8090
Phone: +1 408 721-5000
<http://www.national.com>

European Headquarters

National Semiconductor Corporation

Livry-Gargan-Str. 10
82256 Fürstfeldbruck
Germany
+49 (0) 81 41 35-0
europe.support@nsc.com
Deutsch: +49 (0) 69 9508 6208
English: +44 (0) 870 240 21 71
Francais: +33 (0) 141 91 87 90

Standard Microsystems Corporation (SMSC)

Standard Microsystems Corporation (SMSC) is a worldwide supplier of MOS/VLSI integrated circuits (ICs) for the personal computer industry. SMSC has a leading position in input/output (I/O) circuits for PCs with over 80 million units shipped and, additionally, supplies ICs for local area networks and embedded control systems.

Standard Microsystems Corporation

80 Arkay Drive
P.O. Box 18047
Hauppauge, New York 11788-8847
Toll Free: 800-443-SEMI (7364) –
USA and Canada Only
Phone: +1 631 435-6000
Email: chipinfo@smc.com
<http://www.smc.com>

SigmaTel, Inc.

SigmaTel Worldwide Headquarters

Sigma Tel, Inc.
1601 S. Mo Pac Expressway, Suite 100
Austin, TX 78746
Phone: +1 512-381-3700
Fax: +1 512-744-1700
corporate@sigmatel.com
<http://www.sigmatel.com>

SigmaTel Asia, Limited

Unit 3613-14, 36/F, Tower 6
The Gateway, Harbour City
9 Canton Road
Tsimshatsui, Kowloon
Hong Kong
Phone: +852-2175 5225
Fax: +852-2175 5050
sigmatelhk@sigmatel.com



Vishay Semiconductors

Microprocessors

AMD

AMD is a global supplier of integrated circuits (ICs) for the personal and network computer and communications markets. The company produces processors for Microsoft® Windows® compatible PCs, flash memories, products for communications and networking applications. AMD's Elan family of 32-bit micro controllers provides support for IrDA along with other features for mobile computing applications.

AMD

One AMD Place
P. O. Box 3453
Sunnyvale, CA 94088-3453, USA
Phone: +1 408 749-4000
www.amd.com

Hitachi Semiconductor America

The 32-bit SuperH RISC engine series is the high end of Hitachi's micro controller and microprocessor product lines. This advanced product family provides a solid roadmap for meeting embedded controller and microprocessor requirements with the most efficient solutions for emerging applications.

www.hitachi.com

Hitachi Semiconductor America

2000 Sierra Point Parkway
Brisbane, CA 94005, USA
Phone: +1 800 285-1601

Motorola

Motorola manufactures a wide variety of microprocessors suitable for embedded and hosted applications that contain built-in support for IrDA. Many of their microprocessors can be connected to industry typical IrDA transceivers directly, without any interface support electronics. In support of the processors, Motorola provides IrDA software implementing the full IrDA stack.

Motorola

6501 William Cannon Drive West
Austin, Texas 78735, USA
<http://www.mot.com>

Philips Semiconductors

Philips Semiconductors provides the TwoChipPICTM and TwoChipPIC PlusTM, dual 32-bit enhanced MIPS RISC chipsets which provide integrated solutions for Personal Digital Assistants (PDAs), Personal Intelligent Communicators (PICs), and Handheld PCs (H/PCs) for Windows®, CE™.

www.philips.com



Test Houses - Interoperability Testing

IrDA Test Labs (from IrDA-website www.irda.org)

The function of these Test Labs is to provide an independent assessment of the interoperability of an IrDA product. In addition, Test Labs may also provide services and consulting to resolve design problems when they occur. It is up to each Test Lab to set their fees for the services provided.

The primary responsibility of Test Labs is:

- To provide testing services to assure IrDA interoperability and compliance.
- To perform the Interop tests and if authorized perform full compliance tests necessary to verify reference products.
- To present the Qualified Product certificate to products that pass the tests as defined by IrDA.
- Report successful products to the IrDA office for registration.

In providing the IrDA Interop testing services, Test Lab ensures that:

- The tests, procedures and processes conducted are the most up to date as defined by IrDA and that they are an advocate for the enduser in conducting the tests.
- IrDA policies and procedures are complied with.
- Tools and equipment are available for conducting the tests.
- Other services may also be provided related to IrDA such as consulting and troubleshooting. This is the independent decision of the individual Test Lab.

Independent Test Lab Locations that can assist in the validation of product qualification are:

ICT Korea, Co., Ltd.

5F Bogwang Bldg., 249-14 Yangjae-2Dong,
Seocho-Gu,
Seoul, Korea

Web: www.ictk.co.kr

Contact: Mr. Kwanhoon Lee, Researcher & Overseas Management at khlee@ictk.co.kr

Testing Type: IrFM

Waseda University Test Lab

Tokyo, 160-0074, Japan

Tel: 81-3-5286-3114

Contact: Mitsuji Matsumoto at mmatsumoto@waseda.jp

Testing Type: IrReady

ACTiSYS Corp.

48511 Warm Springs Blvd., Suite 206,
Fremont, CA 94539, USA

Tel: (510)490-8024

Fax: (510)623-7268

www.actisys.com

Contact: Dr. Keming Yeh at kyeh@actisys.com

Testing Type: IrReady

ACTiSYS (Asia) Corp.

3rd Floor, #12, Prosperity 2nd Rd.,
Science Park, Hsin-Chu City, Taiwan

Tel: +886-3-578-5161

Fax: +886-3-578-5164

Contact:

Lawrence Yang at lawrence.yang@actisys.com.tw

Testing Type: IrReady

Couleur Communication Ecriture CCE, France

Immeuble Grenat,
3 av. Doyen Louis Weil,
38000 Grenoble, France

Tel: +33 4 76 48 86 30

Fax: +33 4 76 96 41 79

Web: www.affixcce.com

Contact:

Mr. Serge Veyres, Director at contact@affixcce.com

Testing Type: IrReady

OPEN INTERFACE, INC.

2-15-12 Shinyokohama Kouhoku-ku,
Yokohama-city,
Kanagawa, 222-0033 Japan

Tel: +81-45-476-3900

Fax: +81-45-476-3689

Web: www.oii.co.jp

Contact:

Mr. Tatsuo Iwasaki,

Director of Technical Dept. 1 at tiwasaki@oii.co.jp

Ms. Kayoko Yamanashi,

Groupe Manager of IrDA

Groupe Testing Solution Center at

kyamanashi@oii.co.jp

Testing Type: IrReady, IrFM