

About ikon

Company Portrait

General

ikon GmbH was founded in 1988 and is managed by the two founding members Hermann Braig and Andreas Widmann.

Our portfolio includes Communication Products including System Integration with Consultation, the Development of Concepts and Training.

In addition to this ikon GmbH also offers the Development and Integration of customer specific Hardware and Software for Communication Projects with own pre-developed modules and, based on that, tailor-made Turnkey Solutions including the needed Protocol Stacks, Software and Hardware.

After starting with a big Project in Car Park Automation with significantly more than 50 man years of Development, ikon specialized in Communication Technologies, starting with the development of an own ISDN Protocol Stack.

Today our main focus is on Voice over IP (H.323 and SIP), ISDN, DECT, ATM, IP-Routing, Frame Relay, MPLS and V5, where ikon GmbH is able to offer the relevant Protocol Stacks.

The Implementation of Communication Projects is done on customer specific, developed by ikon, Hardware or standard components like PCI, cPCI, Advanced TCA or VMEbus Systems.

It is based mainly on commercial Operating Systems like Linux, Solaris and Windows or Real-time Operating Systems including RTX, ETS, Nucleus+, OS-9, OSE, pSOS+ and VxWorks.

Therefore we are distributing, besides our own Products, the Products of Ardenze, Aztek Engineering, D-Link, innovaphone and IPinfusion.

Among our lasting and contented Customers are a lot of well known Companies from all over Germany, Europe and the Rest of the World (see Customer Examples).

Our Products

DECT Solutions

- **IP-DECT System** – DECT Ethernet Base Stations and Interworking Unit for the connection with PBXs.

Test Solutions

- **Communication Tester** for UMTS, VoIP and ISDN.
- **Test Application** for ISDN, DECT and VoIP (Windows and Linux on CAPI 2.0).

Voice over IP Software

- **VoIP-CAPI** - virtual ISDN card with SIP and H.323 for Windows and Linux.
- **RTP/RTCP** Protocol Stack.
- **T.30/T.38** Subsystem.

ISDN Hardware

All Boards are deliverable with Hardware Drivers and CAPI/ISDN for Windows and Linux.

- **PRI uno PCI** - single E1 PCI Board.
- **PRI quattro PCI** - quad E1 PCI Board.
- **PRI quattro PMC** - quad E1 PMC Module.
- **PRI otto cPCI** - octal E1 cPCI Board.

ISDN and Protocol Software

- **CAPI 2.0** incl. ISDN Stack and Board Drivers for Windows or Linux (CAPI4Linux-compatible).
- **PBX Application** (CAPI-based).
- **Layer 3 Protocol Software** (DSS-1, QSIG, ATS-QSIG, DPNSS-1, 1TR6).
- **Layer 2 Protocol Software** (LAPD, LAPB/X.75, HDLC, DPNSS-1).
- **Layer 1 Software Module.**
- **Device Drivers** for various ISDN Chipsets etc.

Ardence Real Time Products

- **RTX** - Real Time Extension for Windows.
- **ETS** - Real Time Kernel with Win32 API.
- **ReadyOn** - Instant On/Off for Microsoft Windows.

Various

- **Device Drivers** for 8260/MPC860/68360 (e.g. for ATM and MCC).

Customer Examples

- Alcatel
- Avaya
- Basis Audionet
- CAE
- DaimlerChrysler
- Designa VLT
- DeTeWe
- EADS Dornier
- EADS ewation
- EADS Telecom
- Essnet
- Funkwerk Enterprise Communications
- Globetel Wireless
- GTEN
- Keymile
- Litef
- Nokia
- Nortel Networks
- Rohde & Schwarz Bick Mobilfunk
- Schmid Telecom
- Schrack Seconet
- SIAE Microelettronica
- Siemens
- Speech Design
- Telefunken Radio Communication Systems
- Teleware
- Teradyne
- Thales
- TST Timann

Project Examples

- **Test Solution** for UMTS Node B
- **DECT Solution** for WLAN Router
- **CAPI Driver** for ISDN Boards
- **ISDN Hardware and Software** for German Maglev Transrapid
- **Voice over IP Gateway** for wireless LANs
- **Voice over IP Gateway** for Railway Communication Systems
- **VoIP Software** for Hospital Communication System
- **Voice over IP Solution** for Military Communication Systems
- **ATM Solution** for multiprotocol and distributed Switches
- **ATM solution** for industrial Computers including LAN Emulation Services
- **Driver Software** for ATM modules (AAL-0/2/5)
- Various **Frame Relay Implementations** (e.g. for wireless Communication System)
- **Router Implementation** including E1/T1 and E3/DS3 interfaces
- **Protocol Software Solution** for Radio Network Management
- **AVLS - Automatic Vehicle Location System** for Police Departments
- **Software and Hardware for Car Park Management Systems**
- **Software for ISDN-ATM Router** for Voice transmission over ATM
- **ISDN Solution** for wireless Networks
- **ISDN Solution** for Voice Mail System
- **ISDN Solution** for Airport Communication System
- **ISDN Hard- and Software** for Crypto Devices
- **FLEX - ISDN Internet Access Server**
- **ISDN Solution** for Test Equipment

Trademarks: All trademarks, product and company names used on this data sheet belong to the appropriate manufacturers.