

OpenCom 31

ISDN router, communication system for 4 analogue terminals extendable via software licence

Router with Firewall

Dialer barrier

Software for Fax, SMS¹, MMS¹ and PC answering machine



Highlights:

- Extendable: Grows with the internet requirements of your family
- ISDN-communication software WinSuite with LAN-Fax (group 3 and 4), SMS¹ and MMS¹, PC-telephony, answering machine, dial-assist, Outlook integration
- MMS and SMS in the landline network¹
- Displaying the caller number of call waiting subscribers with "CLIP off Hook"^{1,2}
- 300 short code dialling No.'s with Vanity-function for landline- and Internet-telephony
- Storage of 500 connection data strings with exporting function to other programmes (e.g. Excel)

Facilities

- 1 Interface for ISDN PSTN
- 1 USB-access (USB 1.1)
- 4 internal ports for analogue equipment
- 1 LAN/WAN/DSL-Port (10/100 MBit/s)
- 1 LAN Port (10/100 MBit/s)

Data-related features

- IP router
- IP router enables several PCs to access the Net simultaneously
- Can be set up using a Web browser (runs on all operating systems)
- Internet access using ISDN or DSL
- Max. time spent in the Internet or number of pages viewed can be limited if wished
- LAN CAPI function for 8 PCs provides support for ISDN applications
- Network and Internet access possible via a USB interface
- Fall-back can be configured in case of DSL failure

PBX-features

- Dialer-barrier as protection against "rip-off numbers", also with call protocol storage
- 5 emergency No.'s independent to individual authorization (pre-configured: 110, 112)
- 10-level main line access authorization (also for Internet-telephony)
- Talk time- (budget-) account for every subscriber programmable
- 10 MSN and 4 SIP accounts storable with free allocation to the internal analogue ports
- Toggling of calls
- Call pick up also from active call to an answering machine
- Day-/night-switch (manual or time-controlled)
- Door intercom terminal "Doorline M06©" connectable
- Economy Call Through: numbers for mobile phone users with home-tariff in every combinations: ISDN-ISDN, ISDN-SIP, SIP-ISDN, SIP-SIP
- Supports ISDN-features, like e.g. 3PTY, CLIP, CCBS, etc.
- Remote configuration via ISDN
- Remote configuration via DSL
- Internal Music on Hold

Internet Telefonie (via DSL)

- Up to 4 simultaneous calls via Internet (depending on the available bandwidth)
- Amount of simultaneous call adjustable
- Internet-telephony with SIP protocol, compatible to popular Internet-telephony providers (SIP-Provider, ITSPs)

- Up to 4 SIP accounts can be managed and assigned to the 4 analogue lines
- Internet-telephony incoming / outgoing via all internal analogue ports
- Codes automatically determined for SIP calls
- Codecs: G.711 A-law / μ -law, G.726 and GSM 6.10 in the following combinations (simultaneous connections, bandwidth is valid up- and downstream):
 - 4 connections with G.711, required bandwidth: 4 * 80kBit/s → approx.. 350kBit/s
 - 1 connection with G.726 and 3 connections with G.711, required bandwidth : 1 * 48 kBit/s + 3 * 80 kBit/s → approx. 300kBit/s
 - 2 connections with GSM 6.10 and 2 connections with G.711 required bandwidth : 2 * 30 kBit/s + 2 * 80 kBit/s → approx. 220kBit/s
- All internal features of the PBX also usable for Internet-telephony (call distribution, 3-party conference, day-/night-switch, etc.)
- External calls alternatively via ISDN or over SIP-provider (up to 4 SIP-providers selectable via code digit)
- Bypassing call-by-call barriers from telephone network providers with Internet-telephony
- Emergency calls will always be effected via the ISDN telephone network
- Traffic shapping ensures that the transfer of voice packets is prioritised



¹ Insofar as supported by the network provider

² with appropriate terminal

○ All features which are marked with green colour are activate with an optional Software license ^{1/2}

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Router-functions

- Activation/deactivation of the Internet access via code digit from a connected telephone
- Internet Access Router, usable for ISDN (PPP)
- Internet Access Router, usable for ADSL (PPPoE)
- Package filter Firewall for PC protection: configuration help (NetBIOS- and IP-Spoofing-filter), NAT/PAT
- Port forwarding for TCP und UDP, supports e.g. server applications, online games and auctions
- DynDNS Support (www.dyndns.org)
- SNTP-client and -server for synchronizing the internal date/time information with time server in the Internet, LAN-PCs can be synchronized to the OpenCom 31
- IP-router for simultaneous Internet connection of several PC's
- STUN protocol is required when the OpenCom 31 is operated in conjunction with a router, i.e. when the OpenCom 31 is not connected directly to the ADSL modem.

CD-ROM Software-package

- Driver software for Windows-operating systems, see system requirements (CAPI 2.0, TAPI 2.1, NDIS for USB)
- WinSuite for MMS and SMS in the landline network, dial assist, Fax (group 3 and 4), Data transfer, PC-answering machine

PC-system requirements for WinSuite

- PC, min. Pentium II, 400 MHz/64 MB RAM
- Windows® 98/SE/2000/Me/XP
- 10 MB free hard drive
- USB- or Ethernet-access

Delivery contents

- OpenCom 31
- AC-mains adapter
- ISDN cable, approx. 3 m
- USB-cable, approx. 3m
- Software package on CD-ROM (German, English)
- User guide

Technical data

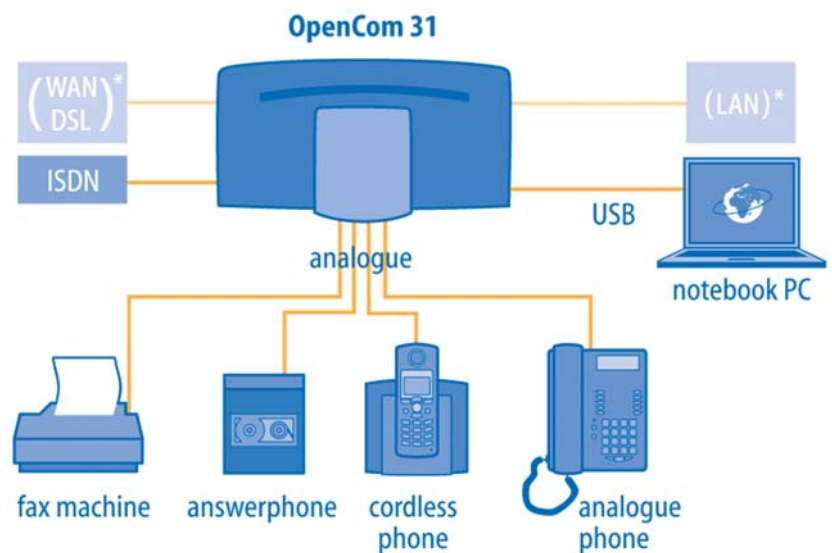
- Main interface: Euro-ISDN-multi terminal access (DSS1),
- DSL-access (PPPoE -protocol)
- Supported 6 MBit/s ADSL download rate
- Power supply: 230 V/50 Hz (AC-mains adapter)
- Dialling mode: MF/IF/keypad
- Measurements (W x H x D): 262 x 157 x 56 mm
- Desktop or wall mountable
- Working range (internal analogue ports): 150 m (0,6 mm ø)
- Ringing voltage $U_{eff,ss}$ 35 V~/50 Hz
- Voice over IP: SIP protocol, up to 4 voice channels, encoded in accordance to G.711, G.726 or GSM 6.10 in the following combinations:
 - 4 * G.711 (A- or µ-law)
 - 1 * G.726-32 (DECT-quality) and 3 * G.711
 - 2 * GSM 6.10 and 2 * G.711

Optional Software license

- Activates all features which are marked with green colour

Order No.

OpenCom 31 – Order No. 69546,
EAN-Code: 4 019 617 695 468



*optional, via system upgrade