



# voip-mg Appliance basix



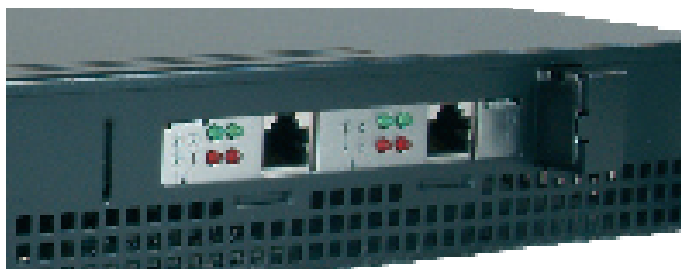
# Productsheet

**Junghanns.NET**

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The Junghanns.NET Appliance basix is a straightforward voice over IP gateway, that gives easy ISDN and GSM access to any PBX on the market, that uses SIP or IAX2. The appliance offers an easy to use webinterface to configure each port and channel individually, as well as an XML interface to control the appliance directly. It can be ordered to be configured with any Junghanns.NET interface card both for BRI and PRI as well as GSM networks.

For ISDN gateways each port can be individually configured to TE or NT mode. The voip-mg Appliance basix connects directly to any PBX as a standard SIP or IAX2 gateway, giving instant connectivity to the existing PBX.



Picture: 2 PRI Appliance

All appliances have easily accessible connectors and interfaces facing to the front. Among others it features 2 RJ 45 GigaBit LAN ports, 2 USB, 2 PS/2, 1 VGA (Onboard GMA 950 32 MB). The appliance is powered by an Intel Atom 1.6 GHz processor and can be customized to contain up to 2 GB of non ECC RAM making it powerful enough to support up to 2 Primary Rate Interfaces to integrate an existing PRI infrastructure.

If necessary the 19 inch brackets can be removed and rubber feet can be attached to the casing.



Picture: 4 GSM Appliance

## Target applications

- ISDN - GSM Integration
- SIP Media Gateway, IAX2 - Mediagateway
- Voice over IP GSM/BRI/PRI Gateways
- VoIP Integration of ISDN/GSM devices
- Integration of existing PBX infrastructure
- SMS gateway

## Available Interfaces

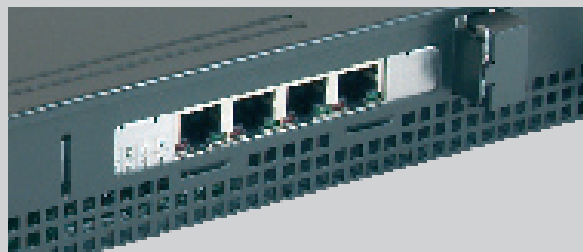
- Basic Rate Interface (BRI), offering 8 or 16 channels with 4 or 8 interfaces (each can be individually configured to use TE or NT mode)
- Primary Rate Interface (PRI), offering 30 or 60 channels with 1 or 2 interfaces (each interface can be individually configured to use TE or NT mode) (for integration of PRI only)
- GSM, offering 4 GSM channels for use with up to 8 SIM cards, with full support for SMS send and receive
- Hybrid offering 4 channels over BRI and 2 GSM channels (available Q4/2010)

## Highlights

- Send and receive SMS
- Supports any PBX that uses SIP or IAX2
- Seamless integration inside your Network environment

## Supported telephony protocols

- GSM, Telephony as well as sending and receiving SMS via HTTP/XML interface
- EuroISDN BRI (S0), TE/NT mode, Point to Point and Point to Multipoint support
- EuroISDN PRI (S2M), TE/NT mode
- SIP (TCP/UDP)
- RTP (g711)
- IAX2



Picture: 8 BRI Appliance



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### SPECIFICATIONS:

#### Interfaces

PRI	1 or 2 ports per gateway using RJ45 connectors (2 ports only for PRI integration)
BRI	4 or 8 ports per gateway using RJ45 connectors, for 8 BRI a connectivity kit is necessary (sold separately)
GSM	4 ports per gateway, antennas with standard SMA connectors, standard SIM cards required
Ethernet	2 ports per gateway using RJ45 connectors, 10/100/1000 autosensing (Realtek RTL8111C-CR Gigabit Ethernet)
RS232	RS-232 fast UART 16550 serial port for configuration and troubleshooting
other	2 x PS/2, 2 x USB, 1 x VGA

#### Hardware Specifications

CPU	Intel Atom 330, 1,6 GHz, Dual Core
RAM	512 MB non ECC single/Dual Channel, 533/400 MHz unbuffered
Power Supply	Single universal 100 - 240 V AC power supply, 200 W Low Noise

#### Media Processing

Voice Coders	G.711, G.726, GSM, 711, iLBC, Speex (independent dynamic vocoder selection per channel)
Echo Cancellation	256 taps
QoS	802.1p/Q VLAN tagging, DiffServ DTMF/MF Transport Packet or PSTN side detection and generation, RFC 2833 compliant DTMF relay, IP Transport, VoIP (RTP)

#### Signaling

ISDN BRI/PRI	ETSI/EURO (Basic call and supplementary services)
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#### Control & Management

Control Protocol	SIP/IAX2
Operations & Management	Junghanns.NET voip-mg, embedded HTTP web server

#### Physical

Dimensions	height x width x depth 43 mm x 437 mm x 249 mm, gross weight 5.1 kg
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#### Regulatory Compliance

Telecommunication Standards	TRB3(11.95), TRB 3/A1(12.97), AS-AC/F S031:2001
Safety and EMC Standards	CE, IEC 60950-1:2001, IEC 60950/A11
Environmental Specifications	ROHS, ETS 300019-2-1 Storage T1.2

#### Warranty

Warranty	2 years, worldwide bring-in
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