

## **Indali S**

*... the innovative IP-PBX*

### **Properties**

The DATUS indali product line comprises four reliable and multifunctional IP-based PBX, scaled to meet the communications requirements of business customers in small-, medium-sized and large enterprises. All indalis combine the proven functionalities and qualities known from ISDN with the outstanding efficiency and cost-saving potential of IP telephony.

Due to their 'open-source' architecture, the four indalis offer standardised, non-proprietary interfaces. Such, these hybride systems can be integrated smoothly into given telecommunications networks and can be adapted fast and easily to meet any customer-specific requirements. indali systems offer their administrators a web-based management interface to configure and administer the IP-PBX and its subscribers.

In addition, every subscriber on the system can read and change settings of his account via his personal USER web-interface.

The indali S supports up to 100 users. The system can be equipped with up to eight ISDN BRI and/or analog interfaces and enables its operator to make a custom migration from traditional telephony towards a flexible VoIP solution. As it is an ISDN ↔ IP gateway, the indali S can be integrated quite easily into existing telephone communications networks. You can link analog terminating equipment (e. g. FAX machines) directly to the analog ports on the system. The system is noiseless, and its low power consumption (max. 40W) makes the indali S a very efficient investment.



**Fig. 1: indali S system**

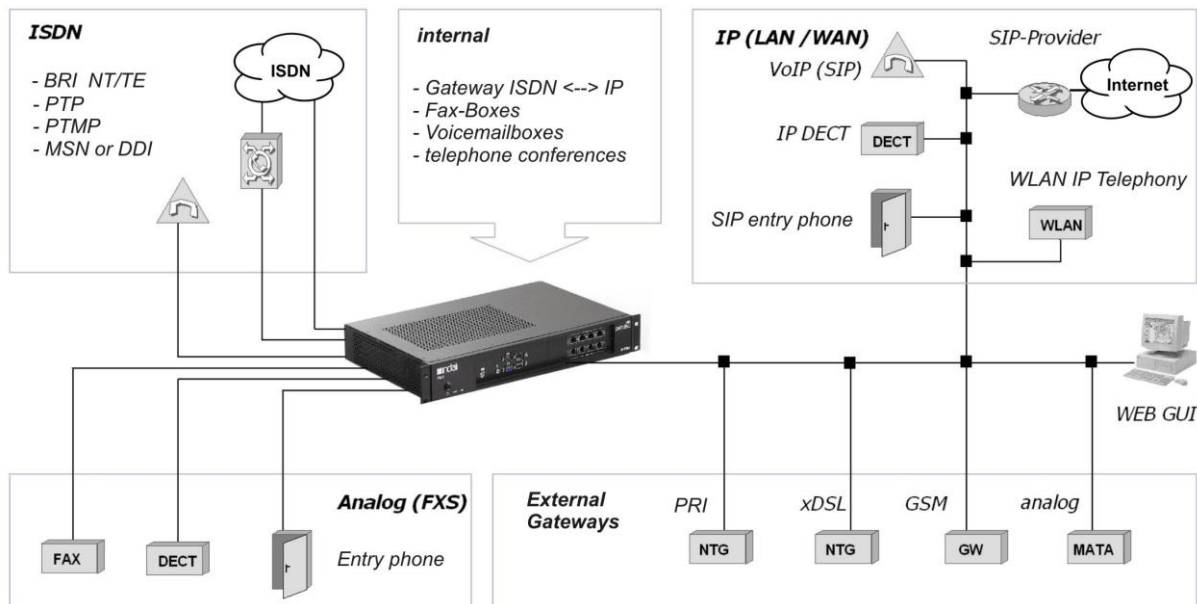
### **Interfaces of the indali S**

The **indali S** is equipped with two PCI slots for optional interface extension cards. The following extension cards are available for this purpose:

- Digium 4BRI (4 x BRI TE/NT)
- Digium 4FXS (4 x analog)
- Digium 2FXS (2 x analog)

### **Hardware and Software of indali S**

- 19" casing 1,5 RU:
- W x D x H: 442 x 272 x 66,5 mm
- noiseless, fanless, no moving parts
- Operating temperature range: 5° C to 40° C
- 2 x GE, 4 x USB
- Linux-operating system
- Asterisk® Certified Version
- DATUS Build Release 6
- Gateway-Function ISDN ↔ IP
- Supported protocols: SIP,
- Codecs: G.711, G.722, G.726, (G.729 on demand)



**Fig. 2: Application Scenario of indali S system**

## Features (abstract):

### Subscribers

The **indali S** offers each subscriber a personal web-interface which features the subscriber's presence monitor to provide the following clear information for the subscriber:

- the number of currently free ISDN channels,
- the current number of his/her missed-out calls, new voice-mails, new SMS, new faxes
- the current phone-status of his/her selected peers: (e. g. "free", "ringing", "busy", "not registered", "call forwarding is active", "DND is active").

The web-interface offers the subscriber access to:

- his call-lists, all his contact directories (public&private),
- his voicemail-box, his SMS- / FAX messages, the calls he recorded.

The subscriber may perform settings on his web interface for:

- his voicemail-box, his call-forwarding, his Login-password, his subscriber-PIN, his presence texts, his ring tone(s), the phones of his extension.

A one-time licence is requested per subscriber. The higher the count of subscribers, the lower the license fee per subscriber.

### ADMIN / EXPERT management (abstract)

The **indali S** offers its EXPERT / ADMIN a special web-interface to configure:

- VoIP-provider accounts, ISDN outside lines;
- Announcements, On-hold music and loop music;
- implement&maintain contact directories; define keycodes; add/edit/remove subscribers; configure various phones for every single subscriber,

- Least Cost routing (LCR), callthrough-settings; T.38 fax support (Gateway- & Callthru-operation),
- Timing-profiles for incoming calls
- multilevel Interactive Voice Response (IVR);
- Auto-provisioning of VoIP phones (SNOM, OpenStage, Yealink, Tiptel, Aastra) by indali,
- XML-applications for VoIP phones,
- virtual conference rooms (PIN-secured)

### Optional:

- CTI-licences (indali CTI Client Pro)
- PBX-linking of indalis (up to 10) across locations
- Central switchboard facility

### Telephone Features (abstract):

Call on-hold, call waiting, three-party-conference, DND, busy-on-busy, Callback on "busy" (CCBS) / Callback on "free" (CCNR) / "to internal"/" external" destinations, Consignor number forwarding (CLIP), Consignor number suppression (CLIR), 'CLIP no screening', extended name display (COLP/CONP) offered on call forwarding / pickup / call transfer. Every subscriber on the **indali S** can have any count of telephones and can be called at any or can call from any of them by his/her extension number ("One-Numbering").

### Subscriber groups

The system's ADMIN / EXPERT may create subscriber groups as required, e. g.:

- Up to 64 pickup-groups
- Up to 64 callgroups (up to five sub-callgroups each)
- Queues with "ACD"= **A**utomatic **C**all **D**istribution),
- Central switchboard facility (optional)
- Chef/Sek-groups („managers“ and „secretaries“)