

indali M

... 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 accustomed 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 M** supports up to 500 users. The system can be expanded by up to two ISDN PRI or up to twelve ISDN BRI and/or analog ports. Such, the system enables a custom migration from traditional telephony towards a flexible VoIP-based solution.

As the **indali M** comprises an ISDN ↔ IP gateway function, it can be integrated easily into existing telephone communications networks. Analog terminating equipment (e. g. FAX machines) can be connected directly to an analog interface card on the system.

Equipped with redundant storage and redundant power supply units, the **indali M** provides for utmost system availability needed in a business environment.



Fig. 1: indali M system

Interfaces of the indali M

The **indali M** is equipped with three 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)
- Digium 1E1 (1 x PRI TE)
- Digium 2E1 (2 x PRI TE)

19" casing 2,0 RU:

W x D x H: 442 x 272 x 88,9 mm

Power consumption: max. 120 W

Operating temperature range: 5°C - 40°C

Managed redundant 100 V – 240 V power supply

2 GB RAM

Redundant RAID1 storage (320 GB)

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)

Hardware and Software of indali M

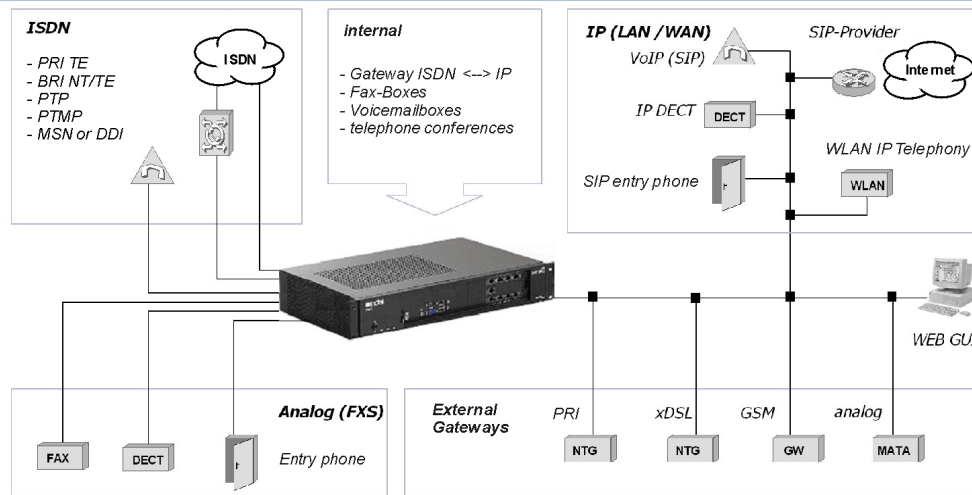


Fig. 2: Application Scenario of indali M system

Features (abstract):

Subscribers

The *indali M* 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 missed-out calls, new voice-mails, new SMS, new faxes
- the current phone-status of his 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 M* 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 M 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)
- "on-hold"-groups (with ACD = Automatic Call Distribution),
- Central switchboard facility (optional)
- Chef/Sek- groups („managers“ and „secretaries“)