



The New Generation
of IP PBX Systems:

the tiptel Yeastar S-Series

tiptel

Performance and Power through the Latest Processors and Large Memory

The IP PBX devices of the tiptel Yeastar S-Series are the perfect telecommunication platform for small and medium-sized businesses. Depending on the model, the IP PBXs support up to 500 users. Due to the modular structure of the phone systems they can be enlarged easily corresponding to the entrepreneurial demands. Using the tiptel Yeastar S-Series the change-over to an All-IP solution can be implemented smoothly and effectively.

Without any optional expansion modules the tiptel Yeastar S20, S50, S100 and S300 support up to 300 users. The smallest IP PBX, the tiptel Yeastar S20 already supports up to 10 and the tiptel Yeastar S50 up to 25 simultaneous calls. The tiptel Yeastar S100 provides 30 and the tiptel Yeastar S300 60 simultaneous calls. Additional DSP modules can increase the total number of simultaneous calls by 30 and the total number of users by 100 per module.

Due to comprehensive auto provisioning the installation of the S-Series is fast and simple. Once installed the menu navigation is just as intuitive. Single functions are represented on the user interface by icons that can simply be clicked.

Due to the flexible and modular nature of the IP PBX devices, the S-Series proves to be a save investment. Using high-performance processors, providing large memory and running the latest Asterisk version, the new S-Series stands for power and stability.

- Compatible with SIP/AX2
- Analogue extensions (FXS), analogue (PSTN/PXO), ISDN- (BRI/E1/T1/PRI), GSM and UTMS extensions (optional available accessories)
- Powerful Apps (add-ons)
- Free software / firmware updates
- No hidden charges and extra licensing fees
- Low power consumption
- System networking and external extensions
- Automatic recording of telephone conversations



The small but great IP PBXs

tiptel Yeastar S20 and tiptel Yeastar S50

The tiptel Yeastar S20 and the tiptel Yeastar S50 are hybrid PBX devices for up to 20 respectively 50 users, providing capacity for 10 respectively 25 simultaneous calls. Thus, these PBX devices fulfill the requirements of small offices and businesses. As All-IP PBX the Yeastar S20 and S50 can be connected to a VoIP port and be used with IP telephones.

tiptel Yeastar S20

The telephone system tiptel Yeastar S20 is the smallest PBX device of the S-Series. It provides capacity for up to 20 users and for up to 10 simultaneous calls. It is expandable via two module slots using optional modules for up to 4 analogue extensions or 4 ISDN external lines. It is also possible to integrate a GSM/UMTS mobile telephone connection. The S20 can be desk or wall mounted.

- Up to 20 users
- Up to 10 simultaneous calls
- Expandable with analogue (FXO, FXS), ISDN (BRI), GSM and UMTS modules
- 2 expansion module slots
- Easy installation using a web based configuration interface
- No additional license fees for user
- Compatible with IP telephone tiptel 30xx, tiptel 31xx, tiptel Htek UC9xx as well as further VoIP terminals
- Desk and wall mounting

tiptel Yeastar S20





tiptel Yeastar S50

tiptel Yeastar S50

The tiptel Yeastar S50 provides capacity for up to 50 users and for up to 25 simultaneous calls. It is expandable via four module slots using optional modules for up to 8 analogue extensions, 8 ISDN external lines, or 4 GSM/UTMS mobile telephone connections. The tiptel Yeastar S50 is rack-mountable.

- Up to 50 users
- Up to 25 simultaneous calls
- Expandable with analogue (FXO, FXS), ISDN (BRI), GSM and UMTS modules
- 4 expansion module slots
- Easy installation using the web based configuration interface
- No additional license fees for user
- Compatible with IP telephone tiptel 30xx, tiptel 31xx, tiptel Htek UC9xx as well as further VoIP terminals
- Rack-mountable



The large and complex IP PBX devices

tiptel Yeastar S100 and tiptel Yeastar S300

The VoIP telephone systems tiptel Yeastar S100 and tiptel Yeastar S300 offer comprehensive telephone functions and comfort for large companies. The PBX devices provide capacity for up to 100 respectively 300 users and for up to 30 respectively 60 simultaneous calls. Via optional DSP expansion modules it is possible to further increase the number of extensions and simultaneous calls. The EX30 expansion board allows the incorporation of primary multiplex (PMX/E1) ISDN connections with 30 voice channels. With the EX08 expansion board the expansion modules for the tiptel Yeastar S20 and S50 devices, for analog extensions and analogue, ISDN, GSM or UMTS external extensions, can also be used with the S100 and S300.

tiptel Yeastar S100

The telephone system Yeastar S100 provides capacity for up to 100 users (expandable to up to 200) and for up to 30 simultaneous calls (expandable to up to 60). Two slots for expansion boards offer the possibility to incorporate up to 16 analogue extensions, 2 ISDN primary multiplex lines, 16 ISDN or 6 GSM/UMTS external lines. The PBX is designed for rack mounting.

- Up to 100 (optional 200) users
- Up to 30 (optional 60) simultaneous calls
- Expandable with analogue (FXO, FXS), ISDN (BRI), GSM and UMTS modules via the expansion board EX08
- 2 module slots for expansion boards
- Easy installation using the web based configuration interface
- No additional license fees for users
- Compatible with IP telephone tiptel 30xx, tiptel 31xx, tiptel Htek UC9xx as well as further VoIP terminals
- Rack-mountable



tiptel Yeastar S100

tiptel Yeastar S300

The telephone system Yeastar S300 provides capacity for up to 300 users (expandable to up to 500) and for up to 60 simultaneous calls (expandable up to 120). Three slots for expansions boards offer the possibility to incorporate up to 24 analogue extensions, 3 ISDN primary multiplex lines, 24 ISDN or 6 GSM / UMTS external lines. The PBX is designed for rack mounting.

- Up to 300 (optional 400/500) users
- Up to 60 (optional 90/120) concurrent calls
- Expandable with analogue (FXO, FXS), ISDN (BRI), GSM and UMTS modules via the expansion board EX08
- 3 module slots for expansion boards
- Easy installation using the web based configuration interface
- No additional license fees for users
- Compatible with IP telephone tiptel 30xx, tiptel 31xx, tiptel Htek UC9xx as well as further VoIP terminals
- Rack-mountable



tiptel Yeastar **S300**
with 3x **EX08** (above), with 1x **EX30** and 2x **EX08** (below)



Expansions using additional boards and DSP modules

Expansions boards

While the tiptel Yeastar S20 and S50 are only expandable using modules, the bigger PBX S100 and S300 can be expanded using expansion boards. The S100 can be fitted with 2, the S300 with 3 extension boards. Possible extension boards are the EX08 and the EX30.

Expansion board EX08

The expansion module EX08 provides 4 module slots for analogue, GSM, UMTS and ISDN modules, which can be integrated into the tiptel Yeastar S100 and S300.



Expansion board EX30

With the expansion board EX30 it is possible to extend the tiptel Yeastar S100 and S300 with a primary multiplex connection. Thus 30 additional ISDN channels are available.

DSP module for the tiptel Yeastar S100 and S300

The D30 is an additional digital processor which expands the tiptel Yeastar S100 and S300 by 100 extensions and 30 simultaneous calls each. It is possible to integrate one DSP module in the S100 and 2 DSP modules in the S300.



For tiptel Yeastar S100/S300: Expansion board EX08 (above), expansion board EX30 (middle), D30 DSP module (below).

Expansions for tiptel Yeastar	S20	S50	S100	S300
S2 module	up to 2	up to 4	up to 8	up to 12
O2 module	up to 2	up to 4	up to 8	up to 12
B2 module	up to 2	up to 4	up to 8	up to 12
GSM module	up to 1	up to 4	up to 6	up to 6
UMTS module	up to 1	up to 4	up to 6	up to 6
D30 DSP module	–	–	1	2
EX08 expansion board	–	–	2	3
EX30 expansion board	–	–	2	3

About Tiptel

Tiptel.com GmbH Business Solution is an international operating company specialised in information and telecommunication technology. The German manufacturer located in Ratingen near Düsseldorf has its own distribution companies in Belgium, France, in the Netherlands, Austria, and in Switzerland.

Tiptel develops projects and distributes: telephone systems, professional telephones and answering machines for business communication, ergonomic fixed network and mobile telephones for suitability and activity related communication as well as IP telephones and gateways. Tiptel's VoIP telephones are based on the open standard SIP (Session Initiation Protocol) and stand for a wide range of functions which simplify our daily communication.

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