

Also available as a tap-proof version!



**The Innovative IP Telephone Family**  
Made in Germany

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**tiptel 3110, 3120, 3130, KM 27**

**tiptel**



## State of the Art: Regarding telecommunication technology with Tiptel you are always up to date

With 40 years of experience in the telecommunication sector Tiptel.com GmbH Business Solutions is a constant in the fast-moving telecommunication industry. Innovation, quality, and a high demand on functionality and design are the basis for the reputation of the company group headquartered in Ratingen.

The development and the favoured production in Germany by an associated manufacturing company as well as a close quality management ensure the standard of Tiptel products. In doing so the range of products comprises answering machines, telephone systems, as well as analogue, ISDN, and GSM telephones and IP technology.

Especially in the area of IP telephones the Ratingen company benefits from its long history in the area of ergonomic telephones for special requirements. Thus, it was only logical to transfer this knowledge to the IP telephony and consequently to ensure the competitive advantage. The result is a user-friendly user interface, very good acoustics, a functional and elegant design with an – at the same time – rugged quality of housing and handset.

Tiptel IP products offer innovative solutions for individual requirements. Own development and production make sure that there is a maximum of flexibility for the implementation of special demands and desires. So firmware can be adapted to the particular requirements of the telephone system or provider – fast and uncompromisingly. Different types of auto provisioning, push XML for the individual design of the user interface, an open SIP standard, HD voice, as well as a brilliant clear display presentation go without saying.

With the new telephones tiptel 3110, tiptel 3120, and tiptel 3130 a new premium series is available on the market which combines the latest technology and individual requirements.

**The Tiptel IP telephone family is made in Germany for the world.**



“A high demand on functionality and design.”





**Guarantees absolute security for phone calls over fixed lines**

At present the interception protection of phone talks is a major issue. Due to the cooperation with Secusmart, the crypto expert of the German Federal Government, Tiptel phones offer high-security solutions in the fixed network. Ranging from the DAX group, over the management consultant to the broker: Meanwhile numerous well-known customers rely on the Secusmart solutions to secure their communication devices. Their information is too valuable not to be protected from eavesdropping.

**Guaranteed anti-tapping protection**

The two IP phones tiptel 3120 and 3130 are now available as high security phones SecuGATE LV 1 Tiptel Edition 3120/3130.

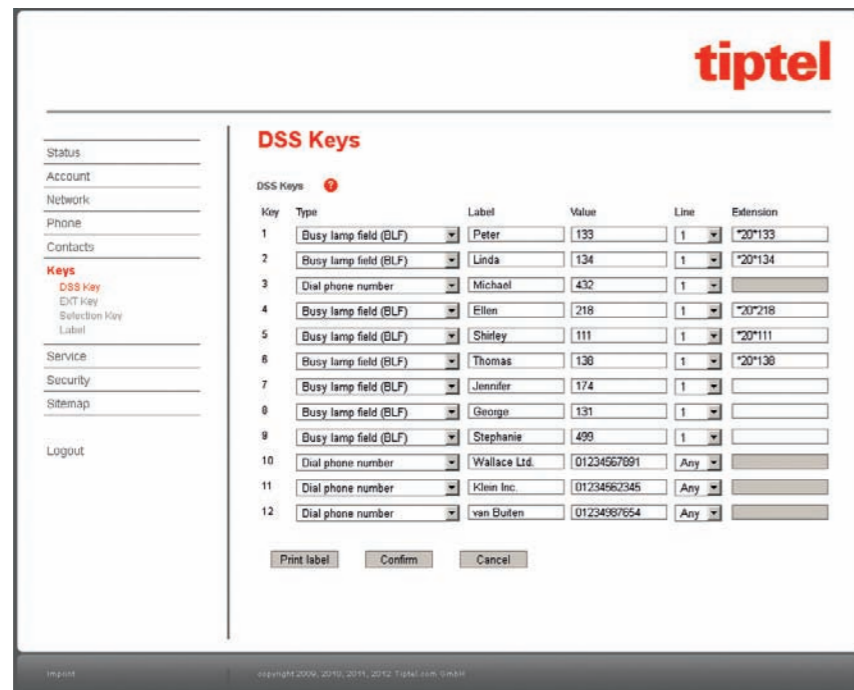
**The new IP telephones from Tiptel: always the right telephone, always innovative**

The IP telephones tiptel 3110, tiptel 3120, and tiptel 3130 are designed as premium series for the use in VoIP telephone systems. User-friendliness combined with professional telephony functions makes this device an essential part in the daily VoIP communication.



The high-security telephone SecuGATE LV 1 Tiptel Edition 3130





The standard model tiptel 3110



## Comfortable and easy to use

### Key configuration and key labelling via browser

Function keys can be configured individually like busy lamp indicator, one touch dial or call forwarding. As an example, the administrator is able to print out the individual labels for phones to be used as individual inlay for each phone.

The comfort model tiptel 3120



### Simple, intuitive menu navigation

7 sensor keys, 8 control keys, and 4 soft keys with two levels ensure simple and clear menu navigation. In addition the tiptel 3130 offers an alphanumeric keyboard to retrieve, create, or modify telephone book entries safe and fast. All function keys are equipped with two-colour status LEDs in red and green to provide for a quick status indication of the respective function.

### Fist-class speech quality

A variety of function keys as well as the noble design can be taken for granted with the Tiptel IP telephone family. HD speech transmission ensures that the IP telephone user experiences first-class and clear speech quality with all telephone calls and telephone conferences.

### Extras for the highest level of convenience in the communication

The telephones are equipped with a red status LED to indicate incoming messages (message-waiting-indication, MWI), microphone off, DND (do not disturb) and "loudspeaker on". Next to the display there are software controlled sensor keys, which can be individually configured with further functions and controls. The inclination angle of the display is adjustable for an optimal reading of the display.



## The most important features of the Tiptel IP phones at a glance

### Telephone functions

- 8 SIP accounts
- Internal phone book for 1,000 entries with 3 numbers each
- Connection to external phone book services via XML or LDAP
- Call lists with 30 entries each for "forwarded calls", "missed calls" and "received calls"
- Redialling of the last 30 entries
- Maximum 5 conversations (hold, toggle three-party conference, transfer)
- Mute
- Signalling of incoming calls: personal ring tones, Caller ID display, photo CLIP, DND, reject

### Audio

- Codec G.711 (a-law,  $\mu$ -law) with VAD and CNG
- Wideband G.722
- Additional codecs on request (G.729, G.722.2 etc.)
- Hands-free function, duplex with Echo Canceler, AGC
- Voice transmission: broadband technology, Acoustic Echo Canceler up to 128ms
- Jitter Buffer, 300ms
- Separate individual volume settings for loudspeaker, handset, and headset (also sending level to adapt headset from different manufacturers)

### SIP

- Standard RFC 3261 compliance
- Display of error codes
- Early Media Support
- Offer/Answer
- DTMF/MF Relay
- STUN Client
- Rport
- REFER

- Auto provisioning with PnP
- Busy Lamp Field Support (BLF)

### Keys

- 3, respectively 7 sensor keys
- 8 control keys
- 4 soft keys with two levels
- All function keys have a two-colour status LEDs (red, green)

### Security

- Secusmart Security Card
- RTCP
- VLAN
- TLS, SIPS, SRTP
- Certificates

### Features

- XML: XML-Browser, Push XML
- Individual wallpapers (TFT models only)

### Hardware

- Adjustable backlight
- Adjustable inclination angle with 8 different positions
- Gigabit Ethernet (2 port switch)
- Power supply: POE or AC adapter (optional)

### Miscellaneous

- Made in Germany
- Convenient menu structure
- DHSG/EHS headset connection
- SD card slot
- Wall mountable
- AUX-connection for up to 3 extension modules with 27 keys, each
- Product support via Wiki at <http://wiki.tiptel-info.de>

## The differences



### tiptel 3110: The standard model

- 3 sensor keys
- Brilliant clear 9.5 cm FSTN display (132x38 pixels) with adjustable inclination angle



### tiptel 3120: The comfort model

- 7 sensor keys
- Brilliant clear 10.9 cm TFT colour display (482x272 pixels) with adjustable inclination angle
- Also available as the high-security phone SecuGATE LV 1 Tiptel Edition 3120



### tiptel 3130: The top model

- 7 sensor keys
- Alphanumeric keyboard
- Brilliant clear 12.7 cm TFT colour display (482x272 pixels) with adjustable inclination angle
- Also available as the high-security phone SecuGATE LV 1 Tiptel Edition 3130





“Up to 3 key extension modules can be connected”



**The extension modules**

**tiptel KM 27: additional keyboard for speed dialling**  
The IP telephones tiptel 3110, tiptel 3120, and tiptel 3130 can be enhanced by the extension module tiptel KM 27 by additional 27 function keys. These function keys are equipped with two-colour LEDs (red and green). In total you can connect up to three modules with 27 buttons each. Consequently up to 81 additional function keys will be available. The connection is made via the AUX-Connection for key modules and power is supplied by the telephone.



**The connection options**





## 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. Tiptel's VoIP telephones are based on the open standard SIP (Session Initiation Protocol) and stand for high security standards and a wide range of functions which simplify our daily communication.

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