

# COMfortel® 1400 IP



Android™-based hybrid VoIP telephone (SIP and IP system phone), with 3.5" colour touch display and optional answering machine



- Ability to synchronise address books and calendars via CardDav/CalDav or Apple® iCloud (optional)
- Excellent acoustic performance due to wideband and artificial bandwidth expansion in narrowband conversations
- Standard Android™ operating system allows the integration of company applications
- Encrypted signalling (SIPS) and voice data transmission (SRTP)
- Secure provisioning with device specific certificate

## Your advantages in detail

When operated as a hybrid VoIP telephone, the COMfortel 1400 IP functions superbly, both as a system phone on our ICT systems and as a standard SIP telephone on a software-based PBX or IP Centrex solution from other manufacturers and providers. Use the keys and directional pad to access its functions, or use it like a smartphone, thanks to the touch functionality on its 3.5 inch display. Its ten programmable keys with built-in status LEDs can be set to provide easy access to data entry, speed dialling and SIP functions.

If the appropriate functions have been enabled by the Online Shop (optional), you can use the push service from your cloud accounts to synchronise e-mails, calendar and contact data, use the integrated answering machine and support the use of an IP camera. There is a separate interface for standard headsets. An LED on the display hood lights up when calls arrive or when messages are received in the voice-mail box (this function is especially useful when the telephone is mounted on a wall).

# Features at a glance

## SYSTEM AND COMFORT FEATURES

- 10 programmable function keys, 2 levels
- Programmable function keys (5) as touch function
- Automatic background illumination with adjustable brightness and switch-on time
- Individual background images and ring tones loadable
- Ringtone, handset and hands-free speaker volume adjustable
- Artificial voice bandwidth extension for consistently improved voice quality and intelligibility
- Microphone mute
- Calling number and name display (CLIP/CNIP) if registered in the local and the central phone book of the proprietary ICT system
- Online name search (reverse search), with proprietary ICT systems
- Phone book, >2,000 entries local
- Access to the central phonebook of the proprietary ICT system
- 100 list entries for callers, outgoing calls and redialling
- Power-safe mode
- Telephone lock, emergency calls possible
- Set-up angle adjustable in 3 steps
- Desktop and wall mounting

## VOICEMAIL<sup>1</sup>

- Basic activation via the Online Shop and start-up with plugging a Micro SD/SDHC card (not included)
- Announcements (25) and messages (250)
- Call acceptance and announcement dependent on type of call (int./ext./door/group)
- Total capacity depends on the used memory (1 GB represent approx. 30 h recording capacity)
- Voice recording and notepad function
- High-quality audio due to uncompressed recording
- Activation via function keys of the telephone
- Remote activation and message forwarding

## ANDROID OPERATING SYSTEM

- Innovative operating concept with touch, key and gesture control
- Alphanumeric Android keyboard via touch display
- Synchronisation incl. push of contacts, calendar and e-mail via CardDav/CalDav and Apple® iCloud<sup>1</sup>

- Free allocatable screens for apps, contacts and widgets
- Individualization with purchased or self-programmed apps

## IP FEATURES

- 100 accounts, useable with 10 providers, 1 account max. as system telephone
- SIP compliant (RFC 3261)
- Encrypted signalling (SIPS), RFC3261
- Encrypted speech data transmission (SRTP), RFC 3711 and RFC 4568
- Transport Layer Security (TLS)
- HTTP/HTTPS webserver integrated
- VPN client integrated (IPsec, OpenVPN)
- Integration of external subscribers, e. g. home offices, subsidiaries
- Digest authentication (MD5)
- VoIP codec G.722 (wideband) with supporting hardware, e.g. COMpact ICT systems (firmware from 7.2), Asterisk or IP-Centrex solutions
- VoIP codecs G.711µ-Law/a-Law and iLBC
- VoIP codec preselection
- Prioritisation of voice data (Diff Serv)
- High audio quality with echo cancellation
- Tone dialling during a call (RFC 2833, SIP Info, In-Band)
- Busy Lamp Field (BLF)
- Date and time via NTP
- LDAP
- Device control via action URLs possible
- Support of IP cameras, incl. PTZ control<sup>1</sup>
- VLAN support (IEEE 802.1q)
- STUN (UDP over NAT)
- Mass roll outs via provisioning server (HTTP, HTTPS, FTP and TFTP)
- Power over Ethernet possible (PoE, IEEE802.3af)

## COMMUNICATION PLATFORMS

- Asterisk Solutions
- IP-Centrex solutions, Hosted PBX
- Broadworks by Broadsoft

## COMPATIBLE PRODUCTS

- 16118 / COMpact 4000

- 16119 / COMpact 4000 UK
- 16334 / COMpact 5200
- 16335 / COMpact 5200R
- 16336 / COMpact 5500R
- 16339 / COMpact 5500R UK
- 16670 / COMmander® 6000
- 16671 / COMmander® 6000R
- 16672 / COMmander® 6000RX
- 16075 / COMfortel® PoE-100
- 16347 / COMfortel® H-200

## TECHNICAL SPECIFICATIONS

- Power supply: via PoE (according IEEE 802.3af, class 0)
- Power consumption: 2.4 W min. | 4.1 W max.
- Ethernet ports: 2 port Ethernet switch 10/100 Base-T
- System connection: Ethernet 10/100 Base-T
- Headset: separate interface for corded speaker/microphone sets
- Operating elements: dialling keys with vanity code, 13 function keys, 10 programmable function keys (2 levels)

- Memory: Micro SD/SDHC card up to 16 GB, not included
- Display: TFT colour display (3.5" / 8.9 cm, 320 x 240 pixels) with resistive touch and 65,536 colours
- LEDs: 14, some multi-coloured
- Handset: wideband audio, electret-microphone, dynamical loudspeaker, hearing aid compatible
- Hook switch: magnetically switching contact
- Loudspeaker: 8 Ohm, Ø 52 mm
- Case: plastic
- Colour: black
- Dimensions (w x h x d): 223 mm x 148/158/168 mm x 185 mm
- Weight: approx. 980 g
- Compliance: CE

## DELIVERY

- Basic unit
- Handset with connection cable
- ISDN cable RJ-45/RJ-45 (approx. 3 m long)
- Installation manual and quick start guide

<sup>1</sup> Paid activation required

### ORDERING INFORMATION

Designation: **COMfortel® 1400 IP**

Article number: **16071**

EAN Code: **4019377160718**