

# COMfortel® D-210



Professional SIP-Phone – amazing range of premium functions despite almost entry-level price



- Intuitive user interface
- 6 self-labelling function keys incl. LED signalling
- 4 context-sensitive soft keys
- HD audio quality thanks to wideband
- Headset connection with EHS support

## Your advantages in detail

The COMfortel D-210 expertly bridges the gap between IP telephony at an entry-level price and a professional range of features that are second to none. This modern IP telephone with its sophisticated design blends in perfectly with modern office environments. The intuitive user interface with illuminated graphic display increases productivity in "day-to-day business". An all-round visible casing LED ensures that everyone can see you are on the telephone, even if you make calls by using a hidden headset. Incoming

calls and missed calls are also displayed conspicuously.

The COMfortel D-210 is scalable and grows with your requirements – it gives you the option of using the phone with its integrated six digitally labelled and freely programmable function keys or upgrading to 66 keys with the COMfortel D-XT20 key extension module. It's ideal for small offices, home offices and call centres.

# Features at a glance

## COMFORT FEATURES

- 6 SIP identities/accounts
- 3 simultaneous connections
- Reliability and constant availability thanks to fallback identities
- Caller ID – display phone numbers and names from the local and central telephone book from the communication server / cloud PBX<sup>1</sup>
- Call waiting
- Reject calls
- Do-not-disturb (DND) locally via the telephone or centrally via the communication server / cloud PBX<sup>1</sup>
- Pickup – fetch a call with pre-check<sup>2</sup>
- Call parking / open inquiry<sup>1</sup>
- Call forwarding/transfer of calls with and without announcement
- Call forwarding via telephone or centrally via the communication server / cloud PBX<sup>1</sup>
- Call on hold
- Local splitting via telephone or centrally via the communication server / cloud PBX<sup>1</sup>
- Local 3-party conference calls via telephone or centrally via the communication server / cloud PBX<sup>1</sup>
- Differentiation of call types through distinctive ringtones
- Upload and administration of custom ringtones via the web interface
- Call back on busy – intuitive setup of an automatic call back<sup>1</sup>
- Convenient management of the most important phone functions via Action URL such as
- Display of messages send by e.g. alarm servers (SIP messages)<sup>3</sup>
- Dial plan for complex dialling rules
- Telephone book, 2,000 entries locally in the telephone
- LDAP – access via SSL to central telephone books, such as OpenLDAP or Microsoft Active Directory
- Call lists for 100 missed, selected and accepted calls
- XML browser for displaying central function menus and lists (such as call lists, telephone books)<sup>1</sup>
- 5-way navigation keys
- 4 context-sensitive soft keys
- Function keys for call forwarding/transfer and volume setting

- Function keys including LED signalling for access to the call list, voice mailbox, call on hold, headset operation, hands-free calling / listen-in function and microphone muting<sup>1</sup>
- 6 self-labelling and freely programmable function keys with 3 levels as well as polychromatic LED signalling
- Busy Lamp Field (BLF) function for displaying the call and busy status of extensions<sup>1</sup>
- Native OpenVPN support for telephony across all your sites
- Integration of function keys in own applications and processes via Lua templates
- Casing LED for signalling active calls and incoming calls
- Automatic backlight with adjustable brightness and switch-off time
- Microphone muting
- Telephone tilt angle: 30° or 45°
- Wall mountable<sup>4</sup>

## SYSTEM FEATURES ON PROPRIETARY COMMUNICATION SERVERS

- Group login/logout
- Caller ID – display phone numbers and names from a central telephone book
- Do-not-disturb (DND)
- Pickup – fetch a call
- Call forwarding centrally via the communication server
- Access to the central telephone book
- Online name search (reverse search)
- Busy Lamp Field (BLF) for displaying the call and busy status of extensions
- Switch central configuration profiles such as day/night switching
- Simplified loading of the system's comfort functions
- Professional intercom functions<sup>3,5</sup>
- Display of the call flow, ideal for multi-company operation<sup>3,5</sup>

## AUDIO FEATURES

- High voice quality through echo cancellation
- Codecs: G.722 (wideband), G.711 A-law/μ-Law, G.726, G.729, iLBC, Opus, Speex
- Comfort noise generation (CNG)
- Voice activity detection (VAD)
- Full duplex hands-free calling

- 22 ring tones
- Ringer, receiver, headset and hands-free volume can be set separately
- Headset connection via RJ-45 for cordless headsets with EHS support and wired headsets

## SECURITY

- Password-protected web interface
- HTTPS server/client
- SIPs (RFC 3261) – encrypted signalling
- SRTP (RFC 3711/RFC 4568) – encrypted transfer of voice data
- Transport Layer Security (TLS)
- VLAN (IEEE 802.1q)

## ADMINISTRATION

- Configuration via web browser (HTTPS)
- Mass installation via provisioning server: redirect server | DHCP options 66/67 | configuration update via SIP notify without restarting the telephone | transmission of settings via HTTP/HTTPS/TFTP
- Extended functions for admins (e.g. tracing, user levels, status display)<sup>3</sup>
- Localisation including language, time, date and sound
- Languages: German, English, French, Greek, Polish, Spanish, Dutch, Italian

## SUPPORTED PROTOCOLS

- DHCPv4 (RFC 2131)
- DHCPv4 Option 60 (Vendor class identifier)
- DHCPv4 Option 66/67 (Hostname/Filename)
- DNS SRV-RR (RFC 2782)
- HTTP/HTTPS (RFC 2616)
- HTTPS (RFC 2818)
- IPv4 (RFC 0791)
- IPv6 (RFC 2460, RFC 8200)
- IPv6 Dual Stack (RFC 4241)
- IPv6 Dual Stack Lite (RFC 6333)
- IPv6 SLAAC (RFC 4862)
- BLF (RFC 4235)
- LDAP (RFC 4511)
- NTP (RFC 958)
- RTCP (RFC 3550, RFC 3605)
- RTP (RFC 3550)
- DTMF: in-band, RTP Payload (RFC 2833, 4733), SIP-INFO
- SIP/SIPS (RFC 3261, RFC 2543)
- SRTP (RFC 3711, RFC 4568)
- TFTP (RFC 1350)
- TLS (RFC 2246)
- VLAN (IEEE 802.1q)

## COMPATIBLE PRODUCTS

- 90027 / COMtrexx® Next
- 90024 / COMtrexx® Flex
- 16022 / COMtrexx® Business
- 16023 / COMtrexx® Advanced
- 16021 / COMtrexx® VM
- 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
- 16264 / COMfortel® D-XT20
- 16271 / COMfortel® D-XT20i
- 16267 / COMfortel® D-Mount
- 16668 / COMfortel® DECT Headset
- 16347 / COMfortel® H-200
- 16348 / COMfortel H-500
- 90349 / COMfortel H-600
- 16079 / COMfortel® PoE-1000
- 16074 / COMfortel® PoE-1000 UK

## TECHNICAL SPECIFICATIONS

- Power supply: Power over Ethernet (PoE according to IEEE 802.3af, Class 2)
- Ethernet ports: 2 port Ethernet switch 10/100/1000 Base-T
- USB port: 1
- System connection: Ethernet 10/100/1000 Base-T
- Headset: separate interface for corded and cordless speaker/microphone sets, also with EHS support
- Operating elements: keypad with vanity code, 17 dedicated function keys, 4 soft keys, 6 freely programmable function keys each with 3 levels
- Display: LCD monochrome with backlight (2.7" / 6.9 cm, 240 x 128 pixels)
- LEDs: 12, 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): 238 mm x 160/125 mm x 145/195 mm
- Weight: approx. 690 g

- Compliance: CE, EN 55032, EN 55024, EN 62368-1

## DELIVERY

- Basic unit

- Handset (receiver) with connection cable
- Device stand
- Quick start guide

<sup>1</sup> Depending on the central communication server / cloud PBX

<sup>2</sup> In combination with a COMfortel D-XT20i

<sup>3</sup> Version 2.0A or higher

<sup>4</sup> Optional

<sup>5</sup> with COMmander/COMpact with version 8.2A (with license)

## ORDERING INFORMATION

Designation: COMfortel® D-210

Article number: 16278

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