

# COMfortel® D-600



## High-level design – COMfortel D-600, the premium SIP device

- High-resolution 7" TFT display with capacitive touch function
- Intuitive user interface
- Innovative gesture control
- Automatic brightness control
- HD audio quality thanks to wideband

### Your advantages in detail

The elegant premium SIP device COMfortel D-600 offers just about everything that makes the "office heart" beat faster. This high-end device combines sophisticated design with the most advanced technology - designed, engineered and made in Germany.

The high-resolution 7" colour display with capacitive touch is clearly structured so that you never lose track. The intuitive user interface further emphasises this. 40 self-labelling function keys displayed on the screen including status signalling are available for direct access.

The special highlight is the gesture control. - Wake up the telephone with a simple hand movement or mute the ring tone for incoming calls. Comfort is a top priority with this high-end device, e.g. the display and the illuminated keypad with automatic backlighting adapt to the ambient light. The HD audio quality thanks to wideband ensures perfect communication.

The state of the art device is both WLAN and Bluetooth compatible. Easily connect a Bluetooth headset to have more room to move and both hands free while working. Professional headsets can be connected via the EHS interface.

The COMfortel D-600 is also the perfect choice for larger extensions in the office. Up to three COMfortel D-XT20i keypad extensions can be connected to the COMfortel D-600.

Just like the COMfortel D-400, the high-end device of the D-series supports IP cameras. Configure your door intercom with an IP cam in a time-saving and convenient way via provisioning, so that in future the image of the IP cam automatically pops up on the screen while the doorbell is ringing. The corresponding function keys directly on the screen can also be used to open the door and switch on the light for the visitor.

# Features at a glance

## COMFORT FEATURES

- 6 SIP identities/accounts
- 4 simultaneous connections
- Innovative gesture control to end idle mode or mute incoming calls
- WiFi<sup>1</sup>
- 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>2</sup>
- Call waiting
- Reject calls
- Do-not-disturb (DND) locally via the telephone or centrally via the communication server / cloud PBX<sup>2</sup>
- Pickup – fetch a call with pre-check
- Call parking / open inquiry<sup>2</sup>
- Call forwarding/transfer of calls with and without announcement
- Call forwarding via telephone or centrally via the communication server / cloud PBX<sup>2</sup>
- Call on hold
- Local splitting via telephone or centrally via the communication server / cloud PBX<sup>2</sup>
- Local 3-party conference calls via telephone or centrally via the communication server / cloud PBX<sup>2</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>2</sup>
- Convenient management of the most important phone functions via Action URL such as
- Support of IP cameras
- 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
- Synchronisation of contact and calendar data via CardDAV and CalDAV (e.g. Apple® iCloud)
- 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>2</sup>

- Illuminated keyboard
- 5-way navigation keys
- Function keys for call forwarding/transfer and volume setting
- 40 self-labelling and freely programmable function keys with multi-coloured status signalling, displayed on the screen, affiché à l'écran
- Configuration of custom images as icons for function keys via the web interface or via provisioning
- 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>2</sup>
- Busy Lamp Field (BLF) function for displaying the call and busy status of extensions<sup>2</sup>
- Native OpenVPN support for telephony across all your sites
- Bluetooth support<sup>1</sup>
- Integration of function keys in own applications and processes via Lua templates
- Casing LED for signalling active calls and incoming calls
- Setting your own picture as background on the phone's home screen via provisioning
- Automatic backlight with adjustable brightness and switch-off time
- Microphone muting
- Telephone tilt angle: 30° or 45°

## 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 incl. display of the provided contact pictures
- 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
- Display of the call flow, ideal for multi-company operation<sup>3,4</sup>

- Professional intercom functions<sup>3,4</sup>

## AUDIO FEATURES

- High voice quality through echo cancellation
- Codecs: G.722 (wideband), G.711 A-law/ $\mu$ -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)
- VPN client integrated (IPsec, OpenVPN)

## 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)
- DHCPv4 Option 132/133 (VLAN-ID/VLAN-QoS)
- DNS SRV-RR (RFC 2782)
- STUN (RFC 3489, RFC 5389, RFC 7350)
- 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)
- LDAP over SSL/TLS (RFC 2830)
- 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
- 90022 / COMtrexx® Business
- 90023 / COMtrexx® Advanced
- 90021 / COMtrexx® VM
- 95501 / COMuniq ONE
- 90118 / COMpact 4000
- 90334 / COMpact 5200
- 90335 / COMpact 5200R
- 90336 / COMpact 5500R
- 90670 / COMmander® 6000
- 90671 / COMmander® 6000R
- 90672 / COMmander® 6000RX
- 90264 / COMfortel® D-XT20
- 90271 / COMfortel® D-XT20i
- 90274 / COMfortel® D-XT-PS
- 90347 / COMfortel® H-200
- 90348 / COMfortel H-500
- 90349 / COMfortel H-600
- 90668 / COMfortel® DECT Headset

## TECHNICAL SPECIFICATIONS

- Power supply: Power supply with Euro plug, 230 V +/-10 %, 50 Hz
- Ethernet ports: 2 port Ethernet switch 10/100/1000 Base-T
- USB ports: 3
- 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, 40 freely programmable function keys on the screen

- Display: TFT colour display (7" / 17.8 cm, 1024 x 600 pixels) with capacitive touch
- LEDs: 6, 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): 270 mm x 170/130 mm x 150/195 mm

- Weight: approx. 1000 g
- Compliance: CE, EN 55032, EN 55024, EN 62368-1

#### DELIVERY

- Basic unit
- Handset (receiver) with connection cable
- Device stand
- Ethernet connection cable RJ-45/RJ-45
- Power supply unit
- Bluetooth / WiFi Dongle
- Quick start guide

<sup>1</sup> Through included COMfortel D-Stick (EZ-5200BS)

<sup>2</sup> Depending on the central communication server / cloud PBX

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

<sup>4</sup> with COMmander/COMpact with version 8.2A (with license)

#### ORDERING INFORMATION

Designation: **COMfortel® D-600**

Article number: **90263**

EAN Code: **4019377902639**