COMfortel® D-100

Practical SIP phone that can handle even the toughest conditions

- 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

Even the entry-level model COMfortel D-100 is packed with professional features such as self-labelling function keys including LED signalling, context-sensitive soft keys and a headset connection for cordless headsets with Electronic Hook Switch (EHS). Additionally, the intuitive user interface with its illuminated black-on-white graphic display visibly improves day-to-day productivity.

Just like its bigger brothers, 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. Its functional design looks impressive in any modern office environment. All this makes the COMfortel D-100 perfect for small offices, home offices and call centres.

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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 [1]
- Call waiting
- Reject calls
- Do-not-disturb (DND) locally via the telephone or centrally via the communication server / cloud PBX [1]
- Pickup – fetch a call with pre-check
- Call parking / open inquiry [1]
- Call forwarding/transfer of calls with and without announcement
- Call forwarding via telephone or centrally via the communication server / cloud PBX [1]
- Call on hold
- Local splitting via telephone or centrally via the communication server / cloud PBX [1]
- Local 3-party conference calls via telephone or centrally via the communication server / cloud PBX [1]
- 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 [1]
- Convenient management of the most important phone functions via Action URL such as
- Display of messages send by e.g. alarm servers (SIP messages) [2]
- 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 missed, selected and accepted calls
- XML browser for displaying central function menus and lists (such as call lists, telephone books) [1]
- 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 [1]
- 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 [1]
- 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 [3]

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 [2,4]
- Display of the call flow, ideal for multi-company operation [2,4]

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

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- 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) [2]
- 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

- 16022 / COMtrexx® Business
- 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
- 16267 / COMfortel® D-Mount
- 90346 / COMfortel® H-100 analog
- 16347 / COMfortel® H-200
- 16668 / COMfortel® DECT Headset
- 16348 / COMfortel H-500
- 16075 / COMfortel® PoE-100

TECHNICAL SPECIFICATIONS

- Power supply: Power over Ethernet (PoE according to IEEE 802.3af, Class 1)
- Ethernet ports: 2 port Ethernet switch 10/100 Base-T
- System connection: Ethernet 10/100 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
- Ethernet connection cable RJ-45/RJ-45
- Quick start guide

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ORDERING INFORMATION	Designation: COMfortel® D-100	Article number: 16260	EAN Code: 4019377162606

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