

DATASHEET

COMfortel® D-100



Practical relevance that quickly proves its worth in demanding everyday use

- 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
- 6 SIP identities
- Dual stack IPv4/IPv6

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 or 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.

Features Overview

System and Comfort Features

- 6 SIP identities/accounts
- 3 simultaneous connections
- Caller ID – display phone numbers and names from the local and central telephone book from the communication server / cloud PBX¹
- Call waiting
- Reject calls
- Do-not-disturb (DND) locally via the telephone or centrally via the communication server / cloud PBX¹
- Pick-up – fetch a call
- Call parking / open enquiry¹
- Call forwarding/transfer of calls with and without announcement
- Call forwarding via telephone or centrally via the communication server / cloud PBX¹
- Call on hold
- Local splitting via telephone or centrally via the communication server / cloud PBX¹
- Local 3-way conference calls via telephone or centrally via the communication server/cloud PBX¹
- Callback on busy or if caller is unreachable¹
- Dial plan for complex dialling rules
- Telephone book, 2,000 entries locally in the telephone
- LDAP – access to central telephone books, such as OpenLDAP or Microsoft Exchange
- 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 mailbox¹, call on hold, headset operation, hands-free calling/listen-in function and microphone muting
- 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 extensions¹
- Casing LED for signalling active calls and incoming calls
- Automatic backlight with adjustable brightness and switch-on time
- Microphone muting
- Wall mountable²
- Telephone tilt angle: 30° or 45°
- Languages: German, English, French, Greek
- Localisation including language, time, date and sound

System Features on Auerswald

Communication Servers

- Group login/logout
- Caller ID – display phone numbers and names from a central telephone book
- Do-not-disturb (DND)
- Pick-up – 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

Audio Features

- High voice quality through echo cancellation
- Codecs: G.722 (wideband), G.711 A-law/ μ -Law, G.726, G.729, iLBC
- 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 RJ45 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

- Localisation including language, time, date and sound
- Configuration via web browser (HTTPS)
- Mass installation via provisioning server:
 - Auerswald redirect server
 - DHCP options 66/67
 - Configuration update via SIP notify without restarting the telephone
 - Transmission of settings via HTTP/HTTPS/TFTP

Supported Protocols

- BLF (RFC 4235)
- DHCPv4 (RFC 2131)
- DHCPv4 Option 60
- DHCPv4 Option 60 (vendor class identifier)
- DHCPv4 Option 66/67 (host name/file name)
- 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)
- 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)

Supported Communication

Platforms

- COMpact 4000, 5000, 5000R, 5200, 5200R, 5500R
- COMmander 6000, 6000R, 6000RX
- COMpact 5010 VoIP, 5020 VoIP (no system functions)
- COMmander Basic.2, Basic.2 19" (no system functions)
- COMmander Business, Business 19" (no system functions)
- Asterisk
- IP-Centrex solutions, hosted PBX

Technical Data

- Power supply: Power over Ethernet (PoE according to IEEE 802.3af, Class 1)
- Network: 2 port Fast Ethernet switch 10/100 Base-T
- Headset: RJ45 connection (8P/8C) for dynamic headsets, also with DHSG/EHS support
- User elements: Keypad with vanity code, 17 dedicated function keys, 4 soft keys, 6 freely programmable function keys each with 3 levels
- Display: LCD (monochrome) backlight, 2.7" (6.9 cm), 240 x 128 pixel
- Telephone receiver: Wideband audio, electret microphone, dynamic receiver, hearing aid compatible
- Hook switch: Magnetic switch contact
- Loudspeaker: 8 Ohm, Ø 52 mm
- Casing: Plastic
- Colour: Black
- Dimensions (WxHxD): 238 mm x 160/125 mm x 145/195 mm
- Weight: 690 g (including device stand)
- Compliance: CE, EN 55032, EN 55024, EN 55035

¹ Depending on the central communication server/cloud PBX

² Optional

Scope of Delivery

- COMfortel D-100 basic unit
- Handset (receiver) with connection cable
- Device stand
- Colour: Black
- Ethernet connection cable RJ45/RJ45
- Short operation instructions

Ordering Information

- **Designation:** COMfortel D-100
- **Item number:** 90260

Accessories

- 90075 COMfortel PoE-100 (Power supply via Ethernet, 100 Mbit/s)
- 90346 COMfortel H-100 analogue (wired headset)
- 90668 COMfortel DECT Headset (cordless EHS headset)
- 90267 COMfortel D-Mount (wall mount)