Datasheet

COMfortel® D-110



Entry level terminal with professional feature set 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

Your advantages in detail

Even the entry-level model COMfortel D-110 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) to enjoy comfortable freedom of movement and have both hands free when telephoning. Additionally, the intuitive user interface with its illuminated graphic display visibly improves day-to-day productivity.

As with the larger models, 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-110 perfect for small offices, home offices and call centres.

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COMfortel® D-110

Features at a glance

COMFORT FEATURES

- 6 SIP identities/accounts
- 3 simultaneous connections
- Reliability and constant availability thanks to fallback identities[1]
- Caller ID – display phone numbers and names from the local and central telephone book from the communication server / cloud PBX[2]
- Call waiting
- Reject calls
- Do-not-disturb (DND) locally via the telephone or centrally via the communication server / cloud PBX[2]
- Pick-up – fetch a call
- Call parking / open inquiry[2]
- Call forwarding/transfer of calls with and without announcement
- Call forwarding via telephone or centrally via the communication server / cloud PBX[2]
- Call on hold
- Local splitting via telephone or centrally via the communication server / cloud PBX[2]
- Local 3-party conference calls via telephone or centrally via the communication server / cloud PBX[2]
- Differentiation of call types through distinctive ringtones[3]
- Upload and administration of custom ringtones via the web interface[4]
- Call back on busy - intuitive setup of an automatic call back[3,2]
- Convenient management of the most important phone functions via Action URL such as[5]
- 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)[2]
- 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[2]
- 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[2]
- 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[6]

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)
- 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
- Simplified loading of the system's comfort functions[5]

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 RJ-45 for cordless headsets with EHS support and wired headsets

SECURITY

- Password-protected web interface

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- 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
- 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

- 90022 / COMtrexx® Business
- 90021 / COMtrexx® VM
- 90118 / COMpact 4000
- 90336 / COMpact 5500R
- 90334 / COMpact 5200
- 90335 / COMpact 5200R
- 90670 / COMmander® 6000
- 90671 / COMmander® 6000R
- 90672 / COMmander® 6000RX
- 90267 / COMfortel® D-Mount
- 90346 / COMfortel® H-100 analog
- 90347 / COMfortel® H-200
- 90668 / COMfortel® DECT Headset
- 90348 / COMfortel H-500
- 90075 / 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
- Quick start guide

[1] From V1.4A or higher
[2] Depending on the central communication server / cloud PBX
[3] From V1.6A or higher
[4] As of V1.10A or higher
[5] As of V1.4A or higher
[6] Optional

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