



Hardware independent soft PBX solution with up to 250 users and up to 250 parallel calls per system



- Virtualisation: flexible integration into your existing IT environment
- Modern and transparent system
- Flexible and scalable through the floating user licence model
- Licensable up to 250 users
- Up to 250 parallel calls

## Your advantages in detail

With scalability increased to 250 users with up to 250 simultaneous calls, the COMtrexx Soft PBX solution enables access to new, purely software-centric marketplaces and expansion stages.

The optimised connection of the SIP terminals of the D series is the technical basis for the provision of important functions from the successful COMcompact series.

The most important facts:

- up to a maximum of 250 users can be licensed
- up to 250 parallel calls

- via zero-touch provisioning of the latest generation, the commissioning of devices is carried out in an extremely time-saving, fully automated plug-and-play mode
- optimised for operation with COMfortel D-series terminals
- integrated conference solution with up to 10 parallel conference rooms and 20 internal participants each
- roaming user function for setting up mobile workstations
- convenience functions such as central caller lists as well as CTI and BLF possible with the COMfortel D series

# Features at a glance

## COMFORT FEATURES

- Possibilité d'enregistrer jusqu'à 250 utilisateurs
- Up to 250 parallel calls possible<sup>1</sup>
- Setting up groups
  - 128 call groups
  - up to 40 members per group
  - Fixed channels can be reserved for group calls
- Automatic control centre, maximum 10 different configurable
- Block- and Allowlist, 10 each for coming and going, total maximum 200
- Call of any second destination in parallel to the registered primary device
- Call data management with 18,000 data records
- Call pick-up (e.g. from the integrated voicemail)
- Broker and mediate
- Pick up
- Protection against attacks by setting blocking lists (blocked IP addresses) and activating blocking times
- Text before signalling (can be switched for groups and for the automatic switchboard)
- Music on hold with switchable announcement text
- Autoprovisioning for standard SIP phones<sup>2</sup>
- Roaming user function
  - Enables individual users to log on and off at different telephones
  - Personal caller lists can be transferred to different workplaces
- Centrally stored caller lists
  - User-specific caller lists are stored centrally in the system
  - Stored lists are available when a user logs on via the telephone
  - Access only possible via the user
- Logging in and logging out a user via a telephone by PIN dial-in
- Registration of max. 750 terminals possible

## SIP CONVENIENCE FEATURES FOR STANDARD SIP PHONES

- SIP-BLF, Busy Lamp Field acc. to RFC 4235
- SIP-MWI (Message Waiting Indication), monitoring of the central voicemail and fax boxes acc. to RFC 3842
- Pick-up pre-check<sup>3</sup>

## COMMUNICATION PLATFORMS

- Up to 10 conference rooms with 20 internal participants each (audio)

- Up to 100 channels can be assigned simultaneously across all conference rooms

## CENTRAL ADDRESS BOOKS

- 2,000 contacts
- Separate address books for departments and multi-company operation
- Import of VCF and CSV files
- Address book provisioning via LDAP

## VOIP TELEPHONY

- Call deflection
- Call forwarding on busy (CFB), no reply (CFNR), unconditional (CFU) at carrier trunk, configuration dependent
- Transfer of customer-specific calling number information with outgoing calls (CLIP no screening)
- SIP compliant with RFC 3261
- VoIP point-to-multipoint and point-to-point connection (SIP trunking)
- MSNs in SIP-Trunk simultaneously
- Integration of external extensions (information on the location of the telephone is taken into account in an emergency call) and mobile clients
- VoIP-Codecs: G.711, G.722, G.729
- High voice quality through optimised echo cancellation and wideband audio with G.722
- Encryption of signalling/signalling (SIPS) and voice data (SRTP) for internal calls
- Compatible to standard SIP telephones
- Support of soft phones

## VOICEMAIL AND FAX

- Message and fax forwarding via e-mail
- Remote access of the voicemail boxes incl. voice guidance
- Call acceptance and individual announcements depending on calling number, time and call type
- Substitute function
- Up to 250 fax mailboxes, each with 500 messages per box
- Up to 250 voicemail boxes, each with 500 messages per box
- Maximum 32 channels can be used for voicemail and fax

## UCC FUNCTIONS<sup>4</sup>

- Call journal
- Instant messaging for a better sharing of information
- Platform independent (Windows, Mac, iOS, Android)
- Presence management with automatic status detection
- Call setup and ending via the PC, incl. Outlook plug-in
- Softphone-functions for Windows, Android und iOS
- Up to 250 users can be licensed

## SOFTWARE INTERFACES

- LAN-TAPI<sup>5</sup>
- Access address books via LDAP
- Support of basic CTI function via action URLs<sup>6</sup>

## UNLOCKABLE OPTIONS

- User licence: Activates all functions of the Soft PBX and is required for linking users to a device. One licence must be activated for each active/registered user on the system<sup>7</sup>
- PBX Call Assist

## PRODUCT VARIANTS

- Available as .ova file for the virtualisation environment Oracle VM VirtualBox
- Available as .ova file for the virtualisation environment VMware ESXi
- Available as .vhdx file for the virtualisation environment Microsoft Hyper-V

## NOTE

- For operation in a medium expansion stage of the COMtrexx VM, we recommend a virtual machine with the following performance data:
  - CPU: Intel Xeon E-2134
  - RAM: 16 GB DDR4 2666
  - SSD: 100 GB (system uses up to 20 GB)

- Tryout mode can be activated
  - Can be activated for testing without initialisation and activation of licences
  - 3 free floating user licences included (can only be used in tryout mode).
  - No time limit

8

## COMPATIBLE PRODUCTS

- 94638 / PBX Call Assist 3 (40 User)
- 94637 / PBX Call Assist 3 (15 User)
- 94636 / PBX Call Assist 3 (5 User)
- 94641 / PBX Call Assist 3 (1User)
- 90263 / COMfortel® D-600
- 90262 / COMfortel® D-400
- 90278 / COMfortel® D-210
- 90277 / COMfortel® D-110
- 90685 / COMfortel® M-530
- 90684 / COMfortel® M-520
- 90683 / COMfortel® M-510
- 90687 / COMfortel® WS-500M
- 90686 / COMfortel® WS-500S

## TECHNICAL SPECIFICATIONS

### Trunk lines<sup>9</sup>

- VoIP channels (SIP acc. RFC 3261), point-to-multipoint/ point-to-point connection (SIP trunking): min. 0 | max. 250 (freely configurable)
- VoIP codecs: G.711, G.722 and G.729

### User connection<sup>9</sup>

- VoIP subscribers: min. 0 | max. 250
- VoIP channels (SIP acc. RFC 3261): 250 (freely configurable)<sup>10</sup>
- VoIP codecs internal: G.711, G.722 and G.729

### Voicemail and fax system

- Voicemail channels: 32
- Fax channels: 32
- Voicemail boxes / fax boxes: 250/250

### Technical data

- Supported operating systems: Windows 7/8/10, macOS, Linux

<sup>1</sup> Independent of the number of registered users in the system.

<sup>2</sup> Supported for telephone models D-600/D-400/D-210/D-200/D-110/D-100 and WS-500S/M IP-DECT systems. Also partially supported are telephone models from other manufacturers such as Yealink and Snom

<sup>3</sup> Is only supported for the telephone models D-400/D-600 and D-210/D-200 in operation with an extension.

<sup>4</sup> Paid licence per user and installation of a UCC server required

<sup>5</sup> Is supported for the telephone models D-600/D-400/D-210/D-200/D-110/D-100 from Auerswald

<sup>6</sup> Applies to the telephone models D-600/D-400 as well as D-210/D-200/D-110/D-100

<sup>7</sup> The licence can be used by several users ("floating"), provided that the total number of active users corresponds to the total number of licences in the system.

<sup>8</sup> In tryout mode, provisioning for third-party terminals is not possible.

<sup>9</sup> Possibly depending on the configuration of the telephone system

<sup>10</sup> All VoIP channels are freely configurable between internal, external and dynamic

**ORDERING INFORMATION**

Designation: COMtrex® VM

Article number: 90021