

## COMpact 5200R

A fully modular, yet compact communication server with a maximum of 14 exchange lines (VoIP, ISDN, POTS/FXO) and up to 32 subscribers (VoIP, ISDN, analogue), with 5 module slots, in a 19" housing for rack mounting.

- Up to 32 VoIP subscribers
- Up to 20 ISDN or 20 analogue subscribers
- Up to 32 VoIP channels simultaneously, of which 14 can be configured for external use (internet telephony)
- Second Ethernet interface for the separation of data and VoIP
- System telephony with digital telephones from the COMfortel range
- Remote extensions with COMfortel 1400 IP, 2600 IP and 3600 IP, and with mobile VoIP clients/softphones
- Unified Messaging – central voicemail and fax system with up to 8 channels for a max. of 40 subscribers or groups
- CTI with Auerswald PBX Call Assist 2
- Increased productivity due to supplementary smartphone apps
- Interfaces (APIs) for connecting 3rd party software, e.g. ESTOS ProCall or proprietary software
- Automatic attendant, 10 destination numbers in parallel and sequentially
- Integration in home and facility automation, e.g. KNX/EIB and IP switching relays
- Full system integration of analogue and IP door intercom systems
- Address books for departments and multi-company operation
- Hotel function (check-in/check-out)



The new, fully modular COMpact 5200R combines all the functions of a large ICT system in a small space: it can be tailored to individual needs, just like our "big" communication servers, and it can integrate existing analogue and ISDN devices and manage the new cordless DECT systems smoothly for mobile coverage over huge areas. Above all, you can use it to take full advantage of Internet telephony - from easier administration to long-term cost savings! Last but not least!

This compact system has excellent credentials when it comes to climate protection: Auerswald is the world's first manufacturer to have its ICT systems Blue Angel certified. This also covers the COMpact 5200R.

## Features

### System features

- Trunk line authorisations for the reduction of costs and for multi-company operation
- System profiles (10 configurations max.) switchable automatically using the internal clock, manually by phone
- Door terminal calls internal / external (pharmacy function)
- Automatic system-wide exchange line request
- Busy-on-busy for internal and external calls, dynamically depending on logged-in call agents
- Call through for ISDN and VoIP trunk lines
- Boss/secretary function<sup>1,2</sup>
- Direct line access
- Speaker announcement (intercom) to corded COMfortel system telephones, to single users or groups
- Bank holiday table for automatic switching of system profiles and wake-up calls
- Call data management with 18,000 records
- Call data printout (hotel) via network (PCL3)
- Call take-over (e.g. from integrated answering machine)
- Group caller lists<sup>3</sup>
- Group functions with intelligent ringing schemes (ACD functionality for call centres)
- ISDN features like CLIP, CW, AOC, CF, CCBS
- Least Cost Routing Soft-LCR for VoIP, ISDN and analogue
- Call brokering, three-party conference internal / via exchange line / via 2<sup>nd</sup> call channel
- 10 emergency numbers with special rights and prioritisation
- Open query
- Parallel call to any second target
- Pick-up, specific (with pre-check<sup>1</sup>) / global pick-up
- Project assignment of calls
- Call diversion, follow me internal, cascadable
- Protection against attacks with blocking, black lists, monitoring
- Software interfaces
- Call barring / exception lists, 10 each for incoming and outgoing calls
- Announcement before answering unconditional or on busy, 10 announcements can be stored
- Flexible rework time for call centres
- Voicemail and fax functions
- Waiting field<sup>1,2</sup> for max. 14 simultaneous incoming calls
- Music on Hold with insertable announcement, loadable WAV file

### SIP comfort functions for standard SIP phones<sup>4</sup>

- SIP-BLF, Busy Lamp Field acc. to RFC 4235
- Pick-up pre-check
- SIP-MWI (Message Waiting Indication), monitoring of the central voicemail/fax boxes acc. to RFC 3842
- SIP text messages acc. to RFC 3428
- Auto-Provisioning und Status-LED<sup>6</sup>

### Central address books

- 2,000 contacts incl. photo, address and phone numbers
- Separate address books for departments and multi-company operation
- Convenient operation using the COMfortel system telephones
- Security levels for administrators and users
- Address book provisioning via LDAP
- Usage of Google Contacts
- Import possibilities of VCF and CSV files

### Facility and home automation

- Max. 24 actuators, e.g. a/b Switching Modules or via http with IP switching relays
- KNX/EIB integration via IP, e.g. with Gira HomeServer
- Time or key controlled operation of heating systems, air-condition, lighting or blinds<sup>1,2</sup>
- Full integration of VoIP and analogue door intercom systems
- Support of IP video intercom systems<sup>1</sup>

### VoIP (internet telephony / internal IP telephony)

- 4 VoIP channels (external/internal) included, expansion to 32 VoIP channels possible<sup>4</sup>
- Dynamic internal/external VoIP channels
- Fax over IP (T.38 acc. to ITU-T) external
- Excellent speech quality due to optimised echo cancellation and wide-band audio with G.722
- Integration of remote extensions and mobile clients
- Call forwarding on busy (CFB), no reply (CFNR), unconditional (CFU) at carrier trunk, configuration dependent
- MSNs in SIP-Trunk simultaneously
- Encrypted signalling (SIPS) and data transmission (SRTP)
- Transfer of customer-specific numbers for outgoing calls (CLIP no screening)
- Individual gateways for each provider

### Voicemail and fax

- 1 voicemail channel and 1 voicemail box included, expansion to up to 8 voicemail and fax channels with 40 boxes each<sup>4</sup>
- Fax sending<sup>4</sup> via the network (Windows 7,8,10 / Mac OS X)
- Storage of the voice and fax messages on USB memory (not included)
- Recording capacity (at 4 GByte of memory):
  - approx. 120 hours of voice messages incl. announcements
  - or approx. 3,500 fax pages
- Call acceptance and individual announcements, depending on calling number, time and call type
- Comfortable operation via corded COMfortel system telephones
- Substitute function
- Voicemail and fax forwarding via e-mail
- Remote access to the voicemail boxes incl. voice guidance
- Active and passive fax switch at analogue trunk lines

### UCC functions with PBX Call Assist<sup>4</sup>

- Softphone functionality for Windows, Android and iOS
- Call setup and ending via PC, incl. Outlook plug-in
- Presence management with automatic status detection
- Instant messaging for fast information exchange
- Contact data for local user and out of external databases
- Screen sharing for convenient cooperation
- „Federation“ as networking concept between external sites and companies
- Platform independent (Windows, Mac, iOS, Android)

### Supplementary smartphone apps

- COMfortel Mobile Business<sup>5</sup>
  - Seamless integration in iOS and Android
  - Signalizing of the business number
  - Full flexibility, always reachable
- PBX Manager with
  - Switching of call forwardings
  - Log-in/-out in groups
  - Retrieving of messages

### Software interfaces (APIs)

- Retrieving the call data lists using SFTP
- LAN-TAPI<sup>4</sup> (4 clients included)
- Online name search (backward searching), customisable
- API for 3<sup>rd</sup> party software e.g. retrieving caller lists, call forwarding ON/OFF, configuration switching, sending fax/voicemail, switching relays, alarm status (start, acknowledgment, timeout), hotel (room status, call list, wake-up call)

### Installation and maintenance

- **Note:** System activation by a trained Auerswald dealer necessary (costs possible)
- Administration via web interface, secure access via https
- System access local via Ethernet and remote via Internet
- System software update via local or remote PC upload
- Central configuration of IP telephones (security by using certificates<sup>1</sup>)
- Auto provisioning for phones of other brands<sup>5,6</sup>

- Simple configuration with COMfortel IP Editor
- Selectable authorisation levels with password protection
- Support for IPv6
- Second Ethernet interface for a separate network with an own IP address range (with optional COMpact NET module)

#### Activation options<sup>4</sup>

- Expansion with 4 VoIP channels to up to 32 channels (a maximum of 32 VoIP channels in the system possible)
- Expansion to 20 or 40 voicemail and fax boxes
- Automatic Attendant
- Hotel function<sup>2</sup>
- LAN-TAPI (for all subscribers), 4 included
- PBX Call Assist
- SIP comfort package brand plus incl. auto-provisioning<sup>6</sup> for standard SIP phones
- System activation (necessary for the operation of the system)

<sup>1</sup> With COMfortel 1400 IP / 2600 IP / 3600 IP

<sup>2</sup> With COMfortel 1400 / 1600 / 2600

<sup>3</sup> With corded COMfortel system telephones

<sup>4</sup> Can be activated, with costs or expansion module necessary

<sup>5</sup> With system firmware 7.4 (Q2/19)

<sup>6</sup> Auto-provisioning currently for phones made by Yealink and Snom

## Technical data

- **Operation voltage:** 230 V ± 10 %, 50 Hz
- **Power consumption\*:** min. 5 W, max. 65 W
- **Trunk lines\*:** max. 3 S<sub>0</sub> ports, point-to-multipoint/point-to-point connection (PTMP/PTP, Euro-ISDN, DSS-1); max. 6 analogue trunk lines (DTMF, CLIP support); max. 14 VoIP channels (SIP acc. to RFC 3261), point-to-multipoint/point-to-point connection (SIP trunking), in total up to 14 external channels are possible (mixed VoIP, S<sub>0</sub>, analogue)
- **VoIP codecs external:** G.711, G.722, G.726, G.729, iLBC
- **Analogue subscribers\*:** max. 20 analogue terminals, symmetrical, pulse/DTMF, CLIP/CNIP support
- **Range analogue ports:** 2 x 50 Ω, ca. 800 m at Ø 0,6 mm
- **Internal S<sub>0</sub> ports\*:** max. 10 S<sub>0</sub> ports, point-to-multipoint connection (PTMP, Euro-ISDN, DSS-1)
- **Range internal S<sub>0</sub> ports:** approx. 150 m
- **U<sub>P0</sub> ports\*:** max. 10 U<sub>P0</sub> ports, point-to-multipoint connection (PTMP, Euro-ISDN, DSS-1)
- **Range U<sub>P0</sub> ports:** 1,000 m at Ø 0,6 mm
- **VoIP subscribers:** up to 32 subscribers
- **VoIP channels internal\*:** up to 32 VoIP channels (SIP acc. to RFC 3261)
- **VoIP codecs internal:** G.711, G.722, G.726, G.729, iLBC
- **Voicemail and fax channels\*:** up to 8 channels, up to 40 voicemail and fax boxes each
- **Fax standard\*:** T.30/T.38 acc. to ITU-T
- **Door intercom ports\*:** up to 8 on analogue subscriber ports or as VoIP subscribers
- **Audio output ports\*:** up to 4 connections for announcement systems via analogue ports (e.g. using the a/b Audiobox)
- **Switching relays:** up to 24 Auerswald a/b switching modules or IP switching relays
- **PC connection:** 1(-2) Ethernet port(s) 10/100Base-T (10/100 MBit/s, Twisted Pair), full/half duplex, auto negotiation
- **Memory connection:** USB host V2.0
- **Module slots:** 5 slots for COMpact 2BRI module(s), 4FXS module(s) and 2FXO module(s), 1 slot for COMpact NET module
- **Housing:** plastic, metal angles
- **Dimensions (w x h x d):** 325 mm x 88 mm x 240 mm
- **Weight:** approx. 1.700 g (without expansion modules)
- **Safety:** CE

\* depending on the setup level of the system

## Scope of delivery

- Base unit COMpact 5200R
- Ethernet cable
- Installation and setup guide

## Ordering information

- **Product designation:** COMpact 5200R
- **Article number:** 90335

## Matching modules

### COMpact NET module

- **Operation voltage:** from the base unit
- **Installation:** slot in the base unit
- **Connections:** 1 x RJ-45 for Ethernet patch cable
- **Dimensions (w x h x d):** 171 mm x 70 mm x 15 mm
- **Weight:** approx. 50 g
- **Security:** CE

- **Product designation:** COMpact NET module
- **Article number:** 90333

### COMpact 2BRI module

- **Operation voltage:** from the base unit
- **Installation:** slot in the base unit
- **Trunk lines:** 0 – 2 S<sub>0</sub> ports, Euro-ISDN (DSS-1), point-to-multipoint (PTMP) or point-to-point (PTP) connection
- **Internal ISDN ports:** 0 – 2 S<sub>0</sub>/U<sub>P0</sub> ports, Euro-ISDN (DSS-1), point-to-multipoint (PTMP) connection
- **Dimensions (w x h x d):** 160 mm x 70 mm x 25 mm
- **Weight:** approx. 80 g

- **Product designation:** COMpact 2BRI module
- **Article number:** 90131

### COMpact 2FXO module

- **Operation voltage:** from the base unit
- **Installation:** slot in the base unit
- **Trunk lines:** 2 analogue trunk lines, MFV, CLIP enabled (FSK/DTMF)
- **Dimensions (w x h x d):** 160 mm x 70 mm x 25 mm
- **Weight:** approx. 60 g

- **Product designation:** COMpact 2FXO module
- **Article number:** 90132

### COMpact 4FXS module

- **Operation voltage:** from the base unit
- **Installation:** slot in the base unit
- **Analogue subscriber ports:** for 4 analogue terminals, symmetrical, pulse/tone dialling, CLIP/CNIP enabled
- **Range:** 2 x 50 Ohm, approx. 800 m at Ø 0,6 mm
- **Dimensions (w x h x d):** 160 mm x 70 mm x 25 mm
- **Weight:** approx. 65 g

- **Product designation:** COMpact 4FXS module
- **Article number:** 90133