COMmander® 6000

Full modular communication server (ISDN, VoIP) for seamless VoIP integration with up to 38 trunk lines, up to 112 subscribers and 5 module slots, in a wall-mount cabinet.

- Up to 38 external calls simultaneously via ISDN and/or VoIP
- Up to 112 VoIP subscribers
- Up to 64 ISDN and 32 analogue subscribers
- Up to 64 VoIP channels simultaneously, of which 38 can be configured for external use (internet telephony)
- System telephony with digital VoIP and ISDN telephones out from the COMfortel series
- Remote extensions with COMfortel 1200 IP, 1400 IP, 2600 IP and 3600 IP, as well as with mobile VoIP clients/softphones
- Internal ISDN ports for 2-wire and 4-wire technology (U\textsubscript{p0} and S\textsubscript{0})
- Unified Messaging – central voicemail and fax system with 16 channels for up to 120 subscribers and groups max.
- Interfaces (APIs) for connecting 3rd party software, e.g. ESTOS ProCall and proprietary software
- Auto attendant, 10 destination numbers parallel and sequential
- Address books for departments and multi-company operation
- Hotel function, check-in/check-out and invoice printing without PC
- Door and switching functions
- Wall mounting cabinet with 5 module slots

Even if you want to start with a small system at first – our COMmander 6000 with its fully modular design makes a perfect investment in the future. It’s suitable for wall-mounting, offers 38 exchange channels and up to 64 internal ports. To connect with the public telephone network, you may choose between VoIP exchange channels, ISDN exchange lines and a primary rate interface, while internal participants share the VoIP, ISDN and analogue connections.

Its full potential, however, lies idle until your demands increase and your communication requirements grow. Are you hoping to enjoy uninterrupted communication via wireless DECT system phones, or do you have a centralized voicemail and fax system with Unified Messaging in mind?

No problem – simply plug the relevant extension into one of the COMmander 6000’s five open slots. You can even tap the advantages of the “Cloud” for your company.

This high-performance server can easily be integrated into your local network which ensures that all your subsidiaries and home offices are optimally connected to the system. Integrated web applications also enable you to configure and maintain your system from wherever you happen to be! As you see, this system can be designed to meet your requirements perfectly – from the smallest expansion stage up to the full version.

Those switching from COMmander Basic.2 / Business will be pleased: The existing modules can be reused in the COMmander 6000!
Features

System features
- Trunk line authorisations for reduction of costs
- System profiles (10 configurations max.) switchable by internal clock or by phone from internal and external
- Door terminal to exchange line calls (pharmacy function)
- Automatic system-wide exchange line request
- Busy-on-busy for internal and external calls
- Call through for ISDNS and VoIP trunk lines
- Boss/secretary function
- Direct line access
- Speaker announcement (Intercom) to corded system telephones (single and groups)
- Bank holiday table for automatic switching of system profiles or wake-up calls
- Charge data management with max. 18,000 records
- Call take-over (e.g. from integrated answering machine)
- Group caller lists
- Group functions with intelligent ringing schemes
- Least Cost Routing Soft-LCR for VoIP, ISDN and analogue
- Call brokering, three-party conference internal / via exchange line / via 2nd call channel
- 10 emergency numbers with special rights
- Open query
- Parallel call, simultaneous calling of a 2nd target and prioritisation
- Pick-up, specific (with pre-check) / global pick-up
- Private trunk line access with user-related password, usable from all extensions
- Call diversion, follow me internal, cascadable
- Software interfaces
- Call barring / exception lists, 10 each for incoming and outgoing calls
- Announcement before answering unconditional / on busy, 10 announcements can be stored
- Flexible rework time for Call Centers
- Voicemail and fax functions
- Waiting field for up to 38 simultaneous incoming calls
- Music on Hold with insertable announcement, loadable WAV file

SIP convenience functions for standard SIP phones
- 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

Central address books
- 2,000 contacts incl. photo, addresses and numbers
- Separate address books for departments and multi-company operation
- Comfortable operation via COMfortel system phones
- Different security access levels for administrator and user
- Address book provisioning via LDAP
- Usage of Google Contacts
- Import of VCF and CSV files

Facility and home automation
- Max. 24 actuators, e.g. Auerswald 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
- Full integration of VoIP and analogue door intercom systems
- Support for IP video intercom systems

VoIP (internet telephony / internal IP telephony)
- 2 VoIP channels (external / internal) included, expansion to 64 VoIP channels possible
- Dynamic internal/external VoIP channels
- Excellent sound quality due to optimised echo cancellation

Fax over IP external (T.38 acc. ITU-T) with COMmander 8/16VoIP module
- Remote extensions and mobile VoIP clients integration
- Encoded signalling (SIPS) and data transmission (SRTP) with 8/16VoIP module(s)
- Transfer of customer-specific calling number information with outgoing calls (CLIP no screening)

ISDN features
- Call Waiting (CW)
- Destination number presentation to the caller (COLP) and presentation restriction of the destination number to the caller (COLR)
- Presentation of the forwarder’s number (RgN)
- Number (CLIP) and name (CNIP) presentation
- Automatic recall on busy (CCBS) and no response (CCNR)
- Presentation restriction of the own telephone number (CLIR)
- Call charge information (AOCE/AOCD)
- Call Forwarding on busy (CFB), no reply (CFNR), unconditional (CFU), of a DDI (CD PR)
- Transfer of customer-specific calling number information with outgoing calls (CLIP no screening)

Voicemail and fax functions
- 2 voicemail channels and 4 voicemail boxes included
- 16 voicemail and fax channels max. with up to 120 boxes each
- Fax sending via the network (printer driver for Windows 7,8,10 / MAC OS.X)
- Recording capacity (integrated storage 4 GByte):
  - approx. 120 hours voice messages incl. announcements
  - approx. 3,500 fax pages
- Call acceptance and individual announcements, depending on calling number, time and call type
- Comfortable operation via corded COMfortel system phones
- Substitute function
- Message and fax forwarding via e-mail
- Remote access of the voicemail boxes incl. voice guidance

UCC functions with PBX Call Assist 2
- Call setup and ending via the PC, incl. Outlook plug-in
- Presence management with automatic status detection
- Call journal
- Instant messaging for all PBX Call Assist users
- Contact data for local users and out of external data bases

Software interfaces (APIs)
- Recalling call data via SFTP
- LAN TAPI® (8 clients in scope of delivery)
- Online name search (reverse search), adaptable
- PBX Control API to control system functions, e.g. recalling caller list, activating/deactivating call forwarding, configuration switching (e.g. day, night), recalling voicemails and fax messages

Installation and maintenance
- Note: System activation by specialized 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)
- Simple configuration with COMfortel IP Editor
- Selectable authorisation levels, password protected
- IPv6 support
Activation options:
- 8 additional VoIP channels for 8/16VoIP module(s), up to 64 VoIP channels possible
- 8 additional voicemail/fax channels, 40 additional voicemail
- and 40 additional fax boxes for the VMF module
- Auto Attendant
- Call through connections (all lines), 4 simultaneous connections included
- Call data records (up to 18,000), 6,000 included
- Hotel function
- LAN TAPI (up to 112 subscribers), 8 included
- Least Cost Routing Soft-LCR (up to 112 subscribers), 8 incl.
- PBX Call Assist / PBX Call Assist 2
- Project assignment of calls
- SIP convenience package for standard SIP phones
- System activation (necessary for the operation of the system)

1 With COMfortel 1400 IP / 2600 IP / 3600 IP
2 With COMfortel 1400 / 1600 / 2600
3 With corded COMfortel system telephones
4 Can be activated with costs or extension modules necessary
5 With system firmware 6.8 (Q1/17)

Technical data

COMmander 6000
- Operation voltage: 230 V ±10 %, 50 Hz
- Power consumption*: 7.1 W max., 70 W max.
- Exchange lines*: 1 S0b primary rate connection (PRI) max., point-to-point connection (PTP, Euro-ISDN, DSS-1); 16 S0 ports max., point-to-multipoint/point-to-point connection (PTMPP, T) PTP, Euro-ISDN, DSS-1); 38 VoIP channels (SIP acc. RFC 3261), point-to-multipoint/point-to-point connection
- VoIP Codec trunk line*: G.711 (optional: G.723.1, G.726, G.729, ILBC)
- Analogue subscriber ports*: 32 symmetrical max., pulse/tone dialling, CLIP/CNP capable
- Range of the analogue ports: 2 x 50 Ω, approx. 790 m at 0 6 mm
- Internal S0 ports*: 32 S0 ports max., point-to-multipoint connection (PTMP, Euro-ISDN, DSS-1)
- Range of the internal S0 ports: approx. 150 m
- Internal U0 ports*: 32 U0 ports max., point-to-multipoint connection (PTMP, Euro-ISDN, DSS-1)
- Range of the internal U0 ports: approx. 1,000 m at 0 6 mm
- VoIP subscribers*: up to 112 subscribers
- VoIP channels internal*: 2-64 VoIP channels (SIP acc. to RFC 3261)
- VoIP codecs internal*: G.711 (optional: G.723.1, G.726, G.729, ILBC)
- Voicemail and fax channels*: 16 channels max., each 120 voicemail and fax boxes
- Fax standard*: T.30/T.38 acc. ITU-T
- Door intercom ports*: 8 max. acc. FTZ 123 D12-0
- Maximum load door opener relay: 30 V, 1 A max.
- Doorbell/pushbutton input*: for 16 doorbell buttons max. (potential-free closing contacts), 5–15 V AC or DC positive TGN
- Audio output ports*: up to 4 connections for announcement systems via analogue ports (e.g. using the a/b Audiobox)
- PC connection: 1 Ethernet port 10/100 Base-T (10/100 MBits, twisted pair)
- USB host V2.0 for printer or voicemail memory
- Module slots: 5 slots for COMmander 8/16VoIP module, PRI module, 4S module, 8S module, 8U0 module, 8a/b module, VMF module and 2TSM module
- Housing: plastic, 3 parts
- Dimensions (w x h x d): 220 mm x 354 mm x 142 mm
- Weight (w/o modules): approx. 2,400 g
- Safety: CE

* Depending on the setup level of the system

Scope of delivery
- COMmander® 6000
- Ethernet connection cable
- Unlocking tool
- Fastening material (screws and plugs)

Ordering information
- Product designation: COMmander® 6000
- Part number: 90670
- GTIN code: 4019377906705

Matching modules

COMmander 8/16VoIP module
- Specification: Expansion with 8 VoIP channels, usable internal/external, with release expandable to 16 channels
- Connections: 2 x RJ45
- Max. quant.: 4 per system
- Article number: 90401
- GTIN code: 4019377904015

COMmander PRI module
- Specification: Expansion with 1 external PRI port with up to 30 B channels
- Connections: RJ45 / terminal blocks
- Max. quant.: 1 per system
- Article number: 90426
- GTIN code: 4019377904268

COMmander 8S module
- Specification: Expansion with 8 S0 ports, usable internal/external
- Connections: RJ45 / terminal blocks
- Max. quant.: 5 per system
- Article number: 90448
- GTIN code: 4019377904480

COMmander 8U0 module
- Specification: Expansion with 8 usable U0 ports of the system phones
- Connections: RJ45 / terminal blocks
- Max. quant.: 4 per system
- Article number: 90427
- GTIN-Code: 4019377904275

COMmander 8U0 module
- Specification: Expansion with 8 internal U0 ports for system telephones
- Connections: terminal blocks
- Max. quant.: 4 per system
- Article number: 90489
- GTIN-Code: 4019377904893

COMmander VMF module
- Specification: Central 8-channel voicemail and fax system with 80 boxes each. Expansion to 16 channels / 120 boxes with release code.
- Connections: 2 x RJ45
- Max. quant.: 1 per system
- Article number: 90554
- GTIN code: 4019377905548
COMmander 2TSM module

- **Specification**: Door/switching/music module for 2 door stations, up to 6 switching relays and 1 external audio input/output
- **Connections**: terminal blocks, cinch socket
- **Max. quant.**: 4 per system
- **Article number**: 90491
- **GTIN code**: 4019377904916