

Datasheet

COMfortel® WS-500M



One device, all scenarios: the WS-500M DECT multi-cell system ensures seamless mobile communication



- Up to 800 handsets
- Up to 240 base stations with seamless handover and roaming
- Up to 240 parallel calls with up to 10 simultaneous calls per base station
- Time-saving zero-touch configuration via auto-provisioning
- Professional support of alarm, messaging and localisation functions

Your advantages in detail

One for all: The WS-500M is designed for maximum flexibility and scalability. It is therefore suitable for small and medium-sized enterprises as well as for large companies or companies with distributed locations. Depending on its size and requirements, the hardware component can assume various roles and act as a DECT manager or basis. Each multi-cell system supports up to 250 handsets and 60 parallel calls. This enables reliable, secure mobile communication in HD quality.

Would you like even more? For even larger expansions, you can install up to 240 bases in one system via upgrade licences WS-500M Manager. Up to 800 subscribers are possible in this expansion level. DECT technology is digital and encrypted. It therefore offers comprehensive security. Wireless eavesdropping of a conversation is not possible. The network security of the WS-500M is additionally enhanced by SIP security. End-to-end security is now guaranteed.

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FONtevo®

Features at a glance

SYSTEM FUNCTIONS

- Seamless call transfer between the radio cells within the IP-DECT multi-cell system
- Synchronisation of base stations via air interface and LAN
- LDAP server support for central phone book (up to 10)
- Access to the voicemail system of the ICT system
- Display of the called number – ideal for multi-company operation
- Distinctive ring tones according to the type of call (direct/group/alarm etc.)
- Display of the system time on all handset
- Definition of clusters for organising bases
- Range alarm on the handset when leaving the DECT radio cell
- Encryption of DECT voice data
- Complete system configuration backup
- Up to 250 handsets
- Up to 60 base stations
- Up to 60 parallel calls
- Up to 10 simultaneous calls per base (G.711)
- Optional alarm, message and localisation functions for the integration of alarm systems

INSTALLATION AND MAINTENANCE

- Zero-touch provisioning of the manager base
- Create, delete, change the handsets from the ICT system
- Simple handset registration
- LEDs for signalling operating and functional states
- Access to LDAP phonebooks (up to 10 department directories)
- Administration of the entire IP DECT wireless system via a single web interface
- Encrypted access to the web interface (https)
- Backup and restore functions
- Support for syslog servers
- SNMPv3

UNLOCKABLE OPTIONS

- Expansion to multi-cell operation with up to 800 DECT users, 240 VoIP channels through a hardware integrator with up to four DECT managers^{1,2}
- Licence for the use of the alarm and messaging functions³

- Licence for the use of the localisation functions (including alarm and messaging)³

TECHNICAL SPECIFICATIONS

- DECT EN 300 175-x
- Standards: GAP/pnCAP
- Support of 120 DECT channels
- TLS1.0/1.1/1.2 for HTTPS and SIP, SIPS
- HTTP/Digest Authentication (RFC2617)
- 10 simultaneous calls (G.711) or up to 5 calls with wide-band audio (G.722)

DECT HANDSETS

- COMfortel M-510
- COMfortel M-520
- COMfortel M-530
- COMfortel M-710
- COMfortel M-720
- COMfortel M-730

COMMUNICATION PLATFORMS

- Complete support incl. provisioning with the current Auerswald systems⁴
- Operation as normal DECT system with the previous Auerswald SIP systems and with SIP based systems of other vendors⁵

COMPATIBLE PRODUCTS

- 90027 / COMtrexx® Next
- 90024 / COMtrexx® Flex
- 16022 / COMtrexx® Business
- 16023 / COMtrexx® Advanced
- 16021 / COMtrexx® VM
- 16118 / COMpact 4000
- 16119 / COMpact 4000 UK
- / COMpact 5000
- 16334 / COMpact 5200
- 16335 / COMpact 5200R
- 16336 / COMpact 5500R
- 16339 / COMpact 5500R UK
- 16670 / COMmander® 6000
- 16671 / COMmander® 6000R
- 16672 / COMmander® 6000RX

- 90627 / COMpact 5010 VoIP
- 90628 / COMpact 5020 VoIP
- 90445 / COMmander® Basic.2
- 90431 / COMmander® Business

TECHNICAL SPECIFICATIONS

- System connection: Ethernet 10/100 Base-T⁶
- Power supply: Power over Ethernet (PoE IEEE 802.3af class 1) or wall power supply 12 V (optional)
- Power consumption: <3.8 W
- Maximum number of handsets: 800
- Maximum number of bases: 240
- VoIP protocol: SIP (RFC3261, RFC2396, RFC2976)

- VoIP codecs: G.711, G.729ab, G.722
- Maximum number VoIP channels: 240
- Case: plastic
- Colour: white
- Dimensions (w x h x d): 110 mm x 180 mm x 42 mm
- Weight: 220 g
- Compliance: CE

DELIVERY

- Main device
- Dowels/screws
- Setup Guide and Quick Guide (German/English)

¹ Requires firmware v2.36 or higher

² Requires up to four separate licences WS-500M Manager (Art.-No. 94671)

³ One license included with version 2.44 or higher

⁴ With COMpact 4000/5000/5200(R)/5500R and COMmander 6000(R/RX) with firmware 7.4

⁵ Please clarify compatibility in advance

⁶ Note: The correct placement of the radio cells is decisive for the smooth functioning of your IP-DECT system. We therefore recommend that you leave the dimensioning and configuration to a qualified specialist dealer. A DECT measurement can be used to determine exactly where, for example, a further basis is required to ensure supply.

ORDERING INFORMATION

Designation: COMfortel® WS-500M

Article number: 90687

EAN Code: 4019377906873