

DATASHEET

COMfortel® WS-500M



One device, all scenarios: The WS-500M DECT multicell system ensures seamless mobile communication

- Up to 250 handsets
- Up to 60 base stations with seamless handover and roaming
- Up to 60 parallel calls with up to 10 simultaneous calls per base station
- Professional zero-touch configuration via auto-provisioning
- End-to-end signalling and voice encryption

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 multicell system supports up to 250 handsets and 60 parallel calls. This enables reliable, secure mobile communication in HD quality.

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.

Technical data

System functions

- Seamless call transfer between the radio cells within the IP-DECT multi-cell system
- Synchronization 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 PBX
- Display of the system time on all handsets
- Definition of clusters for organizing bases
- Range alarm on the handset when leaving the DECT radio cell
- Encryption of DECT voice data
- Complete system configuration backup
- Up to 250 users / SIP accounts / handsets
- Up to 60 base stations
- Up to 60 parallel calls
- Up to 10 simultaneous calls per base

Installation and Maintenance

- Zero-touch provisioning of the manager base*
- Create, delete, change the hand parts from the ICT system*
- This makes it easy to register the hand parts
- 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
- Syslog server support
- SNMPv3

Technical specifications

- DECT EN 300 175-x
- Standards: GAP/ pnCAP
- Support of 120 DECT channels
- TLS1.0/1.1/1.2 for HTTPS und SIP, SIPS
- SIP (RFC3261, RFC2396, RFC2976)
- HTTP/Digest Authentication (RFC2617)
- 10 simultaneous calls per base when using G.711 (8 simultaneous calls per base at G.729AB or up to 5 calls with wideband audio using G.722), up to 60 calls in the overall system

Supported VoIP Codecs

- G.711
- G.722
- G.729AB

Supported communication platforms

- COMpact 4000* incl. provisioning
- COMpact 5x00 series* incl. provisioning
- COMmander 6000 series* incl. provisioning

Operating as normal DECT system

- COMmander Basic.2 (19")
- COMmander Business (19")
- COMpact 5010/5020 VoIP
- SIP-based ICT systems from other manufacturers**

Dimensions

- Dimensions: 180 x 110 x 65 mm
- Total weight: 220 g

Environmental conditions

- Operating temperature +5 to +45° C
- Storage temperature -20 to +70° C
- Relative humidity 20 % to 75 % non-condensation
- Protection class IP20

Scope of delivery

- Main device
- Manual and security leaflet
- Screws

Ordering information

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|--------------|-------------------|
| Designation: | COMfortel WS-500M |
| Item number: | 90687 |
| GTIN code: | 4019377906873 |

Accessories

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| Designation: | COMfortel M-530 |
| Item number: | 90685 |
| GTIN code: | 4019377906859 |

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| Designation: | COMfortel M-520 |
| Item number: | 90684 |
| GTIN code: | 4019377906842 |

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| Designation: | COMfortel M-510 |
| Item number: | 90683 |
| GTIN code: | 4019377906835 |

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.

* as of firmware 7.4B

** Please clarify compatibility in advance