

DATASHEET

COMfortel® WS-500S



The IP DECT single cell system with potential for larger scenarios

- Up to 20 handsets
- Up to 8 parallel calls
- Professional zero-touch configuration via auto-provisioning
- End-to-end signalling and voice encryption
- Upgradeable from single cell system to a multi cell system

One for all: The WS-500S is inherently the affordable single-cell system for entering the IP DECT world. Already in this version up to 8 simultaneous calls are supported and up to 20 handsets can be registered. This makes it the ideal basis for offices, medical practice, and smaller companies.

The best thing about it: With a simple activation*, this base can be extended to the multicell WS-500M system with up to 250 handsets and up to 60 parallel calls.

DECT technology is digital and encrypted. It therefore offers comprehensive security. Wireless eavesdropping of a call is not possible. The network security of the WS-500S is additionally enhanced by SIP security. End-to-end security is therefore guaranteed.

Technical data

System functions

- 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
- Range alarm on the handset when leaving the DECT radio cell
- Encryption of DECT voice data
- Complete system configuration backup
- Up to 20 handsets
- Up to 8 simultaneous calls

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

Additional Options*

- Expansion to multi-cell operation with up to 250 DECT users, 60 VoIP channels (identical to COMfortel WS-500M)*

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)
- 8 simultaneous calls (G.711), up to 5 calls with wideband audio (G.722)

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

Designation:	COMfortel WS-500S
Item number:	90686
GTIN code:	4019377906866

Accessories

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

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

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.

* available from Q4/19

** as of firmware 7.4B

*** Please clarify compatibility in advance