

do you speak
FONtevo®

IP-DECT conquers Business Class

COMfortel® M-510/M-520/M-530/WS-500S/WS-500M

The new
generation



 Born in Germany

FONtevo.com

Always at your side: COMfortel IP-DECT Phones

The handsets of the new wireless solution have been designed to meet all your demands.



**M-520:
The comfortable one**

ELEGANT AND EFFECTIVE
Exceptional slimline design with big 2.4" display.

HANDS-FREE
With Bluetooth headset and hands-free function.

COMfortel M-520 with charging cradle
For more information, see fontevo.com/m-520



Outstanding ability to communicate.

The new COMfortel IP-DECT phones are characterised by **superior operating safety**, **intuitive design** and **exceptional performance**.

The COMfortel M-520 is ideally suited for use in professional business communications. With its **slim casing** and **generously-sized display**, it fits seamlessly into your working day.

By providing all the important convenience functions you need, such as hands-free calling, an online address book or Bluetooth, it can help you be more productive. Thanks to their **long-life rechargeable battery**, COMfortel DECT phones are always ready for use, even also on the longest working days.



Powerful and reliable.

The COMfortel M-530 is the ideal partner in every situation where **resilience and reliability** are needed. Neither dust nor **cleaning under running** water pose a problem for the IP-DECT phone. It is **non-slip**, so you always have a firm grip on it, even when wearing gloves.



YOU ALWAYS HAVE A FIRM GRIP ON IT
Non-slip impact-resistant rubberised casing.



IT DEFIES THE ELEMENTS
Dust-tight and water splash-proof (IP65-certified).



COMfortel M-530 with charging cradle

For more information, see fontevo.com/m-530

M-510: The versatile one



IDEAL FOR EVERYDAY USE
Scratch-proof disinfectant-resistant surface.



EXCEPTIONAL ENDURANCE
Long-life rechargeable battery with up to 12 hours talk time.



A great all-rounder.

COMfortel M-510 has all the vital functions you'd expect, offering **great performance for the price**. Last but not least, **especially COMfortel M-510 and M-520** have a high-quality polymer finish, so they can **withstand cleaning with disinfectant**. This finish also makes the devices much more **resistant to scratching**.



COMfortel M-510 with charging cradle

For more information, see fontevo.com/m-510

For every situation: solutions with WS-500S/M

Set it up in no time at all and then scale it to (almost) any size... all thanks to its modular structure.

The Single Solution with COMfortel WS-500S

The perfect starting point.

Even the smallest-scale solution can already handle up to 20 subscribers from only one base unit. This setup is ideal for **small offices and doctors' practices**. The average range within buildings is around 50 meters.



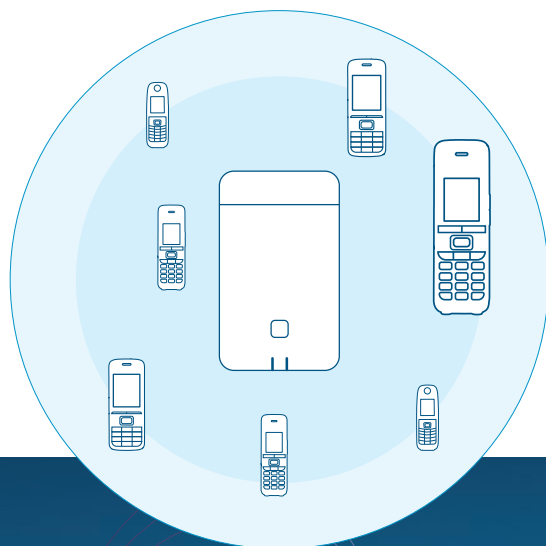
Max. **20** subscribers



Max. **1** base unit



Max. **1** cell



Grow without replacing hardware thanks to a software update (coming soon)

COMfortel WS-500S/WS-500M

For more information, see
fontevo.com/ws-500






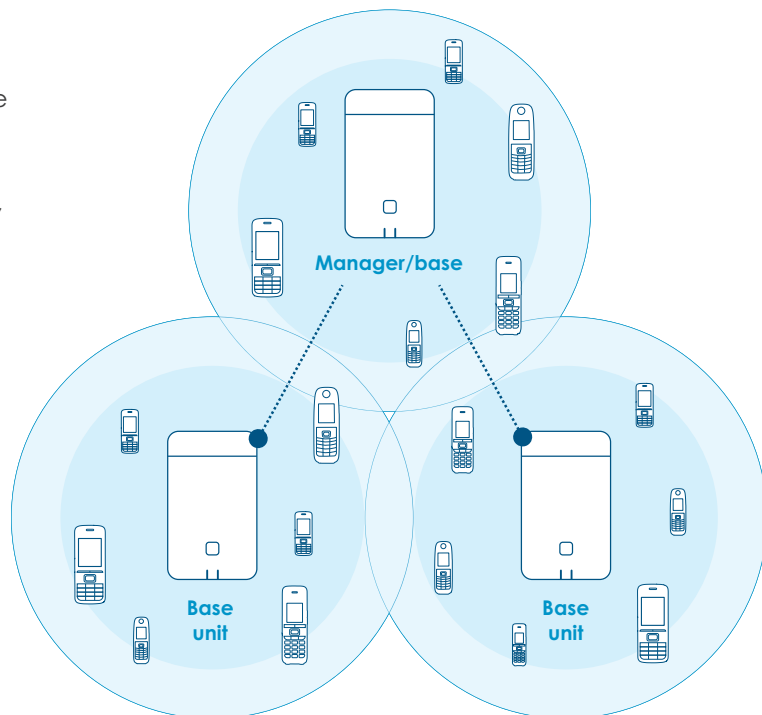
The Multi Solution

with COMfortel WS-500M

Grow while protecting your investment.

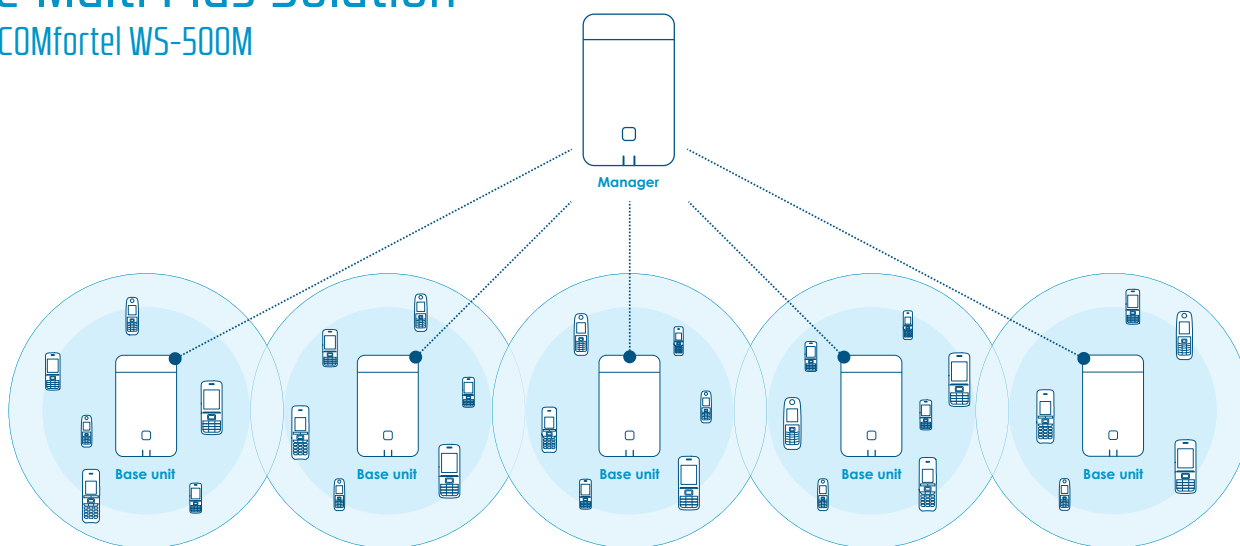
If your COMfortel WS-500 base unit is struggling to cope with an increased number of subscribers or a greater range, you can simply add more base units to improve the system. This solution is popular with **car dealerships**, **companies with a network of subsidiaries** and **freight forwarding companies**.

-  Max. **50** subscribers
-  Max. **10** base units
-  Max. **10** radio cells



The Multi Plus Solution




with COMfortel WS-500M



Expansion through intelligent management.

It sometimes happens that even 10 DECT radio cells cannot provide enough transmission range over large areas, especially if thick walls are present, for example in **market gardens** or **museums**.

In this kind of situation, one base unit can be set to exclusively perform management tasks so that it can then manage up to 60 radio base units. It can then handle 250 subscribers.

-  Max. **250** subscribers
-  Max. **60** base units
-  Max. **60** radio cells

Features Overview

System functions

- Seamless transfer of calls between radio cells within the IP-DECT multi-cell system
- Synchronisation of base stations via radio interface, LAN or a mixture of the two
- LDAP server support for a central telephone book (up to 10)
- Access to the PBX's voicemail system
- The system time is displayed on every handset
- Clusters can be defined, to organise the base units
- An alarm on handsets warns users when they are leaving the DECT radio cell range
- DECT voice data is encrypted
- A full backup is taken of the system configuration

Specifications

- DECT EN 300 175-x
- DECT radio coverage: up to 50 m (in buildings) and 300 m (outside)
- Standards: GAP/pnCAP
- Support for 120 DECT channels
- TLS1.0/1.1/1.2 for HTTPS and SIP, SIPS
- SIP (RFC3261, RFC2396, RFC2976)
- HTTP/Digest Authentication (RFC2617)
- Up to 10 simultaneous calls per base unit (see Technical Data on page 7)

Activatable options

COMfortel WS-500S

- Can be expanded to provide multi-cell operation with up to 250 DECT users and 60 VoIP channels (same as COMfortel WS-500M) *

Supported VoIP codecs

- G.711
- G.722
- G.729 Annex A and B

Installation and maintenance

- Zero touch provisioning for manager base unit
- Handsets can be created, deleted or changed from the ICT system
- This makes it easy to register the handsets
- LEDs signal operational and functional states
- Access to LDAP telephone books (up to 10 departmental directories)
- The entire IP-DECT wireless system can be managed from a single web interface
- Access to the web interface is encrypted (https)
- Backup and recovery functions
- Support for Syslog servers
- PCAP tracing
- SNMPv3

Supported communications platforms

Full integration including provisioning

- COMpact 4000 **
- COMpact 5x00 series **
- COMmander 6000 series**

Operation as normal IP-DECT system

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

Please note:

The radio cells need to be located correctly, to ensure that the IP-DECT system runs smoothly. For this reason, we recommend that you task a qualified specialised dealer with sizing and configuring the system. A DECT signal can be measured and the result used to precisely determine where, for example, another base unit is needed to ensure coverage.

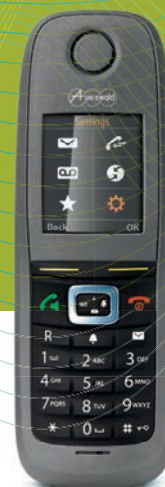
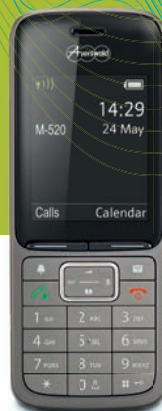
* Available approx. Q4/19

** From firmware 7.4B



„Cordless
and happy...“

The M-/WS-Series
at a glance



DECT handsets overview	COMfortel M-510	COMfortel M-520	COMfortel M-530
Display	1.8", 128 x 160 pixels 65,000 colours	2.4 ", 240 x 320 pixels 65,000 colours	1.8 ", 128 x 160 pixels 65,000 colours
Range	Up to 300 m outdoors, up to 50 m indoors		
Operating voltage	2 micro batteries (NiMH), AAA type, 1.2 V, 750 mAh	1 battery (Li-Ion) 3.7 V, 750 mAh	2 micro batteries (NiMH), AAA type, 1.2 V, 750 mAh
Talk time/standby time	Up to 12/300 h	Up to 12/250 h	Up to 14/320 h
Protection class	–	–	IP65
Surface	Scratch-proof, disinfectant resistant	Scratch-proof, disinfectant resistant	Rubberised
Headset connection	Bluetooth 2.5 mm jack	Bluetooth 2.5 mm jack	2.5 mm jack
Charging connector	Charging cradle	Charging cradle	Charging cradle
Colours	dark/light grey	black/grey	dark grey
Dimensions (W x H x D)	49 mm x 151 mm x 26 mm	51 mm x 130 mm x 19 mm	52 mm x 154 mm x 30 mm
Handset weight (including battery)	Approx. 124 g	Approx. 106 g	Approx. 139 g
Scope of delivery	Handset, battery cover, belt clip, 2 X AAA rechargeable batteries, charging cradle, wall mounted power supply, commissioning guide and quick guide	Handset, battery cover, belt clip, rechargeable battery, charging cradle, wall-mounted power supply, commissioning guide and quick guide	Handset, battery cover, belt clip, locking disc, 2 X AAA rechargeable batteries, charging cradle, wall-mounted power supply, commissioning guide and quick guide

DECT servers overview	COMfortel WS-500S	COMfortel WS-500M
Simultaneous calls	Up to 8 (for G.711) Up to 5 (for G.722)	Up to 10 per base unit (G.711), up to 5 per base unit (G.722), up to 60 in total
Number of base units M-510/M-520/M-530	Up to 20	Up to 250
Number of base units	1	Up to 60
Operating voltage	Power over Ethernet: PoE IEEE 802.3af class 1	
Power consumption	< 3,8 W	
Casing	Plastic, polar white	
Dimensions (W x H x D)	110 mm x 180 mm x 42 mm	
Scope of delivery	Base unit, screws/dowels, commissioning and quick guide	





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