



# M6241 DECT Base Station

*Seamless  
integration in your  
communications  
platform*

**Mobility and efficient communications are critical to business performance. The M6500 IP PBX and Succession 6500 platforms provide mobility solutions for enterprises thanks to integrated DECT cordless telephony, available simply by adding M6241 base stations and DECT mobile handsets.**

Integrated in the M6500 IP PBX and Succession 6500 platforms, M6241 DECT Base Station provides an efficient "on site" mobility solution for sites requiring wide area radio coverage. The M6241 DECT Base Station can be integrated starting from software version V11.5 on all M6500 IP PBX platforms, from the Compact range through to the M6500 IP, as well as on Succession 6500.

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The base station manages handset localization and handover within the network, guaranteeing seamless call continuity even when the user changes base stations.

Wired phones and DECT handsets can be associated with the same extension number, allowing people to remain in contact anywhere in the company on the same number as their fixed extension. System installation and declaration of the cordless phones are extremely simple:

- Each M6241 Base Station is directly connected to a standard BRI interface on the platforms.
- The DECT handsets are declared as virtual equipment on the platforms – no extension interface boards are needed.

In addition, the M6241 Base Stations can be easily wall-mounted.

### M6241 Base Station performance

The base station can support four simultaneous mobile calls.

The maximum distance between the base station and the platform is 800 meters. With a range of 50 to 300 meters, depending on radio propagation conditions, the base station has an “antenna diversity” system that ensures optimum reception quality throughout the coverage zone.

### Extended geographic coverage

The base station performs dedicated DECT functions:

- Roaming, with handset localization,
- Handover, transferring mobile calls from one base station to another during a conversation.

The handover function allows users to move around anywhere within the coverage zone without having to interrupt a call, either at a single site or across a multisite network. Handover is completely transparent to both the user and the other party.

### A rich array of telephone features

Features include all those available on DECT handsets which provide access to all M6500 IP PBX and Succession 6500 system features associated with the class of service granted by the system administrator. In addition, starting with software version R1.2 on platforms, the following features are available:

- Message Waiting Notification Lamp
- Computer & DECT Telephony Integration (CTI).

### Secure system management

Management is performed via Man Machine Interface (MMI). DECT subscribers are seen as virtual subscribers by the system. To guarantee security, an ID/protection password is assigned to the system to protect against unauthorized use.

The operating console is used to configure the system, monitor base station status, display alarms and generate operating statistics. Base station switching and control are performed by the associated platform.

### Optional equipment

The following optional equipment is available:

- a leaktight cabinet for exterior installation of base stations,
- an exterior antenna kit for connection of one or two outside antennas to the base station.

### MAXIMUM CAPACITIES

PBX Type	Number of base stations	Maximum number of cordless phones
M6501-C1	2	64
M6501-C6	4	64
M6501-C8L	8	64
M6501-R IP	8	256**
M6501-L IP	24*	256**
M6540 IP 1 wall-mounted cabinet	24	256
M6540 IP 2 wall-mounted cabinet	40	256
M6550-L IP	64 by cluster	256 by cluster
Multisite network	1024	Depending on number of sites
Succession 6500 Media Gateway 4-slots	8	128
Succession 6500 Media Gateway 14-slots	24	256
Succession 6500	1024	Depending on number of Succession 6500 Media Gateways

\* with ADS 300 power supply

\*\* as of Release 1.1

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