

Mitel SIP-DECT

Delivering the comfort of mobility to VoIP networks.



Connect anyone, anywhere, on any system.

Mitel® SIP-DECT offers businesses of all sizes a comprehensive solution for cordless telephony on IP-based networks by combining Session Initiation Protocol (SIP) innovation with DECT, the leading technology for building multi-cellular radio networks for voice communication.

From the small business to the large enterprise, companies of any size can leverage Mitel SIP-DECT to reap the benefits of both DECT and voice over IP (VoIP) technology. Enabling businesses to build private networks, DECT provides virtually unlimited, secure reachability for employees on the premises and even supported external sites or home offices. Combined with standardized, vendor-independent SIP support that allows for smooth integration into existing communication systems, Mitel SIP-DECT is a flexible solution fit for any organization.

Key Features

- Simultaneous support of mobile voice and data communication
- Single point of provisioning for easy installation, setup, maintenance and service
- XML interface for a wide range of external applications and XML API for deeper system integration
- TLS / SRTP / DECT encryption for secure communications
- Locating, alarm and messaging capabilities
- CAT-iq with G.722 wideband audio support with Mitel 650 DECT Phone



Flexible, Scalable and Reliable

The DECT infrastructure enables users to move seamlessly and freely within the radio network while staying reachable on the same number, even when roaming to remote locations. Employees can access their user data and profiles when logged on to any registered handset, enabling easy sharing or handing off of handsets between employees and shift workers. This flexibility provides an ideal, cost effective solution for many lines of business, including hospitals, hotels, security staff, prisons, and care facilities.

DECT uses a reserved frequency band to avoid disturbances from other radio networks. Additionally, Mitel SIP-DECT maintains a high quality of speech no matter the environment – even in high-rise stores, near large metal services, or in machine halls where radio signals are often disrupted. As traffic load rises, businesses can increase capacities with additional base stations to remain independent and flexible.

Designed for Security and Safety

DECT offers voice encryption on the air interface, protecting the link between the Mitel SIP-DECT base station and its wireless terminals to keep calls confidential and secure from eavesdropping. All Mitel SIP-DECT components are DECT security certified to confirm they are compliant with the latest security requirements of the DECT standard. On the IP network, Mitel SIP-DECT supports VoIP Security with encryption of signaling (TLS) and voice data (SRTP).

Mitel SIP-DECT features an integrated alarming solution and user monitoring to ensure all handsets which are part of an alarm group can be reached in case of emergency based on user login, activity, call diversion, silent charging, and battery status. As well, Mitel SIP-DECT offers locating functions that allow tracing of user route and activity, and can even support connection of surveillance cameras to provide pictures of the area from which an alert originates.

Highlights of Mitel SIP-DECT

- *Exceptional voice quality (G.722 wideband audio) and data transmission*
- *Voice and text messaging*
- *No range restrictions – size of radio network can grow with IP-infrastructure*
- *Single point of provisioning eases installation, set up, maintenance, and service*
- *Easy handset and RFP installation - no frequency planning required for DECT*
- *Roaming between sites that are connected via WAN*
- *XML interface for a wide range of external applications and XML API for deeper system integration*
- *Supports two additional backup levels to the primary SIP Registrar*
- *High reliability through a redundant structure of SIP-DECT control components on RFP, Linux server or virtualized ensures customer data and radio links remain available in case of failure*
- *Three-way conference regardless of the communication system*
- *Individual phonebooks stored in user profile in addition to access to central phonebook*

Mitel SIP-DECT – Mitel 600 DECT Phones

All Mitel SIP-DECT handsets are DECT Security certified and offer ambient noise filter for loud environments, hands-free capabilities, intelligent battery life management, and automatic “over air” firmware updates.

MITEL 612 DECT PHONE

- 2" 176x220 pixels color display
- 200 phonebook contacts including business, private and mobile numbers, fax, email address, ringtone allocation, and speed-dial number
- 44 polyphonic and 29 non-polyphonic ringtones
- Headset socket
- 2 programmable navigation keys and two 2 programmable soft keys
- Tri-color multifunctional LED in top-right corner
- Part number: 80E00008AAA-A Mitel 612 (Handset)
80E00011AAA-A Mitel 612 (Set)



MITEL 622 DECT PHONE

- 2" 176x220 pixels scratch-resistant color display
- 200 phonebook contacts including business, private and mobile numbers, fax, email address, ringtone allocation, and speed-dial number
- 44 polyphonic and 29 non-polyphonic ringtones
- Headset socket and Bluetooth®
- Programmable hot key for call numbers or functions
- 3 programmable side keys, 2 programmable navigation keys, and 2 programmable soft keys
- Tri-color multifunctional LED in top-right corner
- USB-PC interface
- Part number: 80E00009AAA-A Mitel 622 (Handset)
80E00012AAA-A Mitel 622 (Set)



MITEL 632 DECT PHONE

- 2" 176x220 pixels scratch-resistant color display
- IP65 dust and water ingress protection
- 200 phonebook contacts including business, private and mobile numbers, fax, email address, ringtone allocation, and speed-dial number
- 44 polyphonic and 29 non-polyphonic ringtones
- Headset socket and Bluetooth®
- Programmable hot key for call numbers or functions
- 3 programmable side keys, 2 programmable navigation keys, and 2 programmable soft keys
- Emergency key and “mandown”, “escape” and “no movement” alarms
- Tri-color multifunctional LED in top-right corner
- USB-PC interface
- Part number: 80E00010AAA-A Mitel 632 (Handset)
80E00013AAA-A Mitel 632 (Set)



MITEL 650 DECT PHONE

- 2" 176x220 pixels scratch-resistant color display
- 200 phonebook contacts including business, private and mobile numbers, fax, email address, ringtone allocation, and speed-dial number
- 44 polyphonic and 29 non-polyphonic ringtones
- Headset socket and Bluetooth®
- Programmable hot key for call numbers or functions
- 3 programmable side keys, 2 programmable navigation keys, and 2 programmable soft keys
- Tri-color multifunctional LED in top-right corner
- USB-PC interface
- CAT-iq 1.0 certified G.722 wideband audio
- Part number: 68629 Mitel 650 (Handset)
68631 Mitel 650 (Set)



Mitel SIP-DECT – Radio Fixed Parts (RFP) Base Stations

Mitel SIP-DECT's RFP base stations are connected directly to the LAN like a VoIP device, ensuring full compatibility with cordless DECT terminals. All Mitel SIP-DECT RFPs are GAP standard supported.



RFP 35 IP

- Indoor DECT base station
- Part number: 68637



RFP 37 IP

- Outdoor DECT base station for use with a choice of external antennas
- IP65 dust and water ingress protection
- Part number: 80-00001AAA-A



RFP 36 IP

- Outdoor DECT base station
- IP65 dust and water ingress protection
- Part number: 68635



RFP 43 WLAN

- Indoor DECT/WLAN base station
- Part number: 68636

For more information about Mitel SIP-DECT, contact your Mitel representative or visit mitel.com/SIP-DECT