Mitel MiVoice 5610 DECT Handset and IP DECT Stand

Unprecedented convenience for mobility in the office when looking at its layout.

Key Features

- Color, illuminated display (128 x 128), with auto dimming
- Two-line capability
- Graphical menu options
- Call log displays up to 30 call entries
- Personal contact storage and management

The Mitel® MiVoice 5610 DECT Handset and Mitel IP DECT Stand for the Mitel MiVoice 5300 Series IP Phones is a unique accessory that offers unprecedented convenience and mobility for IP Phone users. The MiVoice 5610 DECT Handset, with full dial pad and vibrant, illuminated color screen, gives users the freedom and mobility to move away from their desk within their office or adjacent offices. The IP DECT Stand simply snaps onto a MiVoice IP Phone, and supports up to eight MiVoice 5610 DECT Handsets. Working behind the MiVoice Business (formerly Mitel Communications Director), and the MiVoice Office (formerly Mitel 5000 Communications Platform), SIP call processing functionality is provided on these sleek cordless handsets, providing an easily implemented mobility solution for small and medium business (SMB) and enterprise markets.

Broad Market Appeal

The cordless MiVoice 5610 DECT Handset and IP DECT Stand have a broad appeal across a number of vertical markets. Customers who require a low-cost cordless handset solution will appreciate the simplicity and the range provided by the IP DECT technology for personal area mobility. Hotel guests will appreciate the convenience of additional cordless phone extensions in their rooms, while IT staff will appreciate the cost savings of servicing an entire room or suite of rooms with a single LAN drop.

The MiVoice 5610 DECT Handset / IP DECT Stand solution is ideal for users in retail markets, such as stores or car dealerships, health care locations, such as clinics, dental or medical offices, and small businesses who only require a small number of cordless handsets to augment their VoIP solution.

Mobility Solution

By leveraging the Dynamic Extension capabilities of the MiVoice Business and MiVoice Office communications solutions, customers are able to "twin" a MiVoice 5610 DECT Handset with a MiVoice 5300 Series IP Phone, providing an integrated user experience at the desktop. The cordless MiVoice 5610 DECT Handset is perfect for users who want the convenience of a cordless handset but need to be able to access more telephony features, such as caller ID, call transfer, conferencing, etc. while away from their desk. And because the 5610 DECT Handset is supported behind the MiVoice Border Gateway (Mitel Teleworker Solution), it can be used as a Teleworker device, making it even more convenient.

MiVoice 5610 DECT Handset and IP DECT Stand Features

MIVOICE 5610 DECT HANDSET

The MiVoice 5610 DECT Handset is a full featured SIP cordless handset that is supported on the IP DECT Stand.

FEATURES INCLUDE:

- Color, illuminated display (128 x 128), with auto dimming
- Full dial pad with navigation keys, soft keys, answer and end keys
- Two-line capability (e.g. answer call on one line, place that call on hold and initiate a call on a second line)
- Can be part of MiVoice Unified Communications platform's Dynamic Extension function
- Menu (OK) Key provides graphical menu options for Contacts, Settings, Messages and Call Logs
- Settings allow users to adjust audio preferences, ringer melodies, telephony functions, call forwarding options, and to access system and network settings
- Message Key provides access to voice mail box and displays softkey prompts for voice mail functions
- Call Logs displays up to 30 call entries (all, missed, incoming, outgoing) with a date and time stamp
- Contacts List: Stores and manages personal contacts and allows speed dials for contacts to be created or groups of contacts to be created
- Speakerphone capable, with adjustable volumes
- Nine polyphonic ring tones
- Distinctive ringing based on Calling Line ID
- Display features time and date, user name, connection status, battery status, call log and options softkeys
- Multiple language support: English, French, Spanish, German, Italian, Dutch, Portuguese, Swedish, Finnish, Danish and Slovenian

- Supports Conferencing, Call Transfer, Call Waiting, Call Forwarding, Hold and many more SIP telephony features from the MiVoice Business and MiVoice Office communications solutions
- Supports operating time of eight hours talk / 240 hours standby
- Ringer and speaker volume controls including mute
- Low battery and out of range audible warnings
- Standard headset support (2.5 mm jack)
- Message waiting indicator (missed calls, voice mail)
- Hearing Aid Compatible (HAC) handset
- Desktop charger included

IP DECT Stand

The IP DECT Stand acts as a DECT base station for the cordless MiVoice 5610 DECT Handset. It provides IP DECT to SIP gateway functionality.

- Supports up to eight handsets / three simultaneous calls
- Supported across a range of MiVoice IP Phones: Mitel 5312 / 5324 / 5320 / 5320e / 5330 / 5330e / 5340 / 5340e / 5360 IP Phones
- Configurable via web configuration interface
- Provides web-based configuration utility which allows installation and configuration of the IP DECT Stand and MiVoice 5610 DECT Handsets
- MiVoice 5610 DECT Handsets are firmware upgradable "over the air" via the IP DECT Stand using the Web Configuration Utility
- DECT-based design: DECT 6.0 cordless technology provides higher quality voice transmission, density, and less interference compared to Bluetooth

Call Features

GENERAL TELEPHONY

Handset Support	On-hook Dialing	Caller ID	Call Waiting	Call Conference – 1 handset + 2 External VoIP Calls via IP DECT Stand
8 simultaneous handsets supported; maximum 6 alerting handsets at a time (3 simultaneous calls)	Pre-dial numbers before pressing Off-hook button	Yes (Calling Name and Calling Number)	Yes (Calling Name and Calling Number)	A 5610 DECT Handset with an external VoIP call can establish a 3-party conference with another VoIP call

Conferencing	Call Hold	Distinctive Ringing	Call Log	Speed Dial
Two 5610 DECT Handsets and one external VoIP call OR one 5610 DECT Handset and two external VoIP calls	A 5610 DECT Handset with an external call on VoIP can put the conversation on hold. The handset can make internal and external calls while the VoIP party is on hold. Hold state is left by retrieving the call, entering a 3-party conference, or by terminating the call.	Based on CLID in IP	30 numbers including incoming, outgoing, missed calls	Yes

Call hang up	Speakerphone	Auto answer from Cradle	Speed Dial
Pressing the CLR (Red) Key or upon return to charging cradle	Yes	Support to automatically pickup incoming call when handset lifted	30 numbers including incoming, outgoing, missed calls

IP DECT Stand Specifications

POWER SUPPLY

Gateway Mains	Adapter	Power Consumption
Input: 100-240 VAC 50-60Hz	Output Nom: 12VDC 300mA One end with DC pin and one end for C7 unpolarized cord insertion	1.5 W (typical)

CONNECTOR INTERFACES

Power	LAN Interface
Input: 100-240 VAC 50-60Hz	Standard: 10BASE-T (IEEE 802.3 10Mbps) Connector: RJ45 8/8

KEYS

One key for registration and reset.
Short press: registration
Long press: restore to factory defaults.

LED INDICATORS

4 Orange LEDs with functions

1. Power
2. Network
3. Registered
4. Active call

RF

Frequency Bands	Output Power	Antenna
1880 – 1900 MHz (EMEA) 1920 – 1930 MHz (USA/CA)	<250 mW (for USA/CA < 140mW)	Two PCB antennas for diversity

SOFTWARE UPDATES

Downloadable

Yes, by means of wired interface from PC and over the LAN interface (Remote firmware update HTTP / TFTP)

INTEROPERABILITY

DECT

» DECT interface (3081)
» DECT 6.0 (3080)
» Wi-Fi® friendly

RANGE

Indoor	Outdoor
50 meters (150 feet)	300 meters (900 feet)

SUPPORTED MiVOICE IP PHONES

MiNET and SIP Mode

- » 5312 IP Phone
- » 5324 IP Phone
- » 5320 IP Phone
- » 5320e IP Phone
- » 5330 IP Phone
- » 5330e IP Phone
- » 5340 IP Phone
- » 5360 IP Phone (MiNET only)
- » 5340e IP Phone

SYSTEM REQUIREMENTS

- » MiVoice Business – Release 4.1 or later (formerly Mitel Communications Director)
- » MiVoice Office – Release 6.0 or later (formerly Mitel 5000 Communications Platform)
- » MiVoice Border Gateway – Release 7.1

MiVoice 5610 DECT Handset Specifications

HANDSET BATTERY

Battery Type	Battery Lifetime
Lithium-ion 650mAh	Talk time >12 hours, Standby >200 hours

INTERFACE

Wired Headset Interface

2.5 mm standard mono-jack

DESKTOP CHARGER

Power (AC/DC)	Charging Time
Output Nom: 6VDC 350mA Input: 100-240 VAC 50-60Hz One end with DC pin and one end for C7 unpolarized cord insertion	Empty battery recharged in < 6 hours

RF

Frequency Bands	Output Power	Antenna
1880 – 1900 MHz (EMEA) 1920 – 1930 MHz (USA/CAN)	<250 mW (for USA/CAN < 140mW)	One wired antenna

DISPLAY

Type	Number of Lines	Number of Characters for Text Line	Character Set
64K CSTN type Color LCD with backlight 64K colors	» 128 x 128 pixel display » 1 line status » 6 lines for content (menus e.g.) » 1 line for soft keys » 1.5" display » Each line 16 pixels high	16	ISO 8859-1 or Unicode Standard 4.1

KEYS

- Keypad: 0-9, * and #
- Off-hook key
- Loudspeaker
- On / Off key
- C-key (clear)
- Power on / off
- Recall key (enquiry)
- Menu
- "OK" Key
- Confirmation-key
- Up / Down Navigation
- Left / Right Navigation

Volume Up and Down

MENU SETTINGS / INDICATORS

- Battery indication
- Confirmation for menu selection
- Coverage warning
- Key click
- Voice mail message waiting – icon based
- Polyphonic ring tones – 9 melody selections
- Ringer melody types – distinctive ringing. Depending on the type of the incoming call it is possible to select a distinctive ringing different ringer melody. The following call types (call class) are distinguished: Internal Call, VoIP Call.
- Adjustable volume earpiece – 6 levels
- Adjustable volume headset – 6 levels
- Adjustable volume loudspeaker – 6 levels
- Adjustable ringer volume – 7 levels including "off"
- Automatic encryption (secure calls) according to DECT standard
- Call duration display only at the end of call
- Call log list – last 30 numbers including all missed, outgoing and incoming calls
- Call reject option
- Calling Line Identification (CLID)
- Calling name support when matching with local phonebook or when received from the IP DECT Stand
- Date / time display
- Date / time stamp / logged calls / messages
- Display update / refresh – when the DECT system provides (updated) display information, then the handset will use this info to update the handset's display
- Hands-free mode – half duplex
- Headset connection (incl. microphone)
- Illuminated display
- Illuminated keyboard
- Key click on / off
- Keypad lock
- Last number redial
- Loudspeaker for monitoring / hands-free
- Microphone mute
- Multiple language support: English, French, Spanish, German, Italian, Dutch, Portuguese, Swedish, Finnish, Danish, Slovenian
- Pre-dial number preparation – edit before dial
- Shared phonebook in base. Phonebook database with 170 entries are stored in IP DECT Stand Up to 8 handsets can access the stand and share the phonebook database
- Recall / hold
- Removable belt-clip
- Ringer mute during call (silence)
- Ringer on / off
- Silent charging

TECHNICAL SERVICE FEATURES

Service Menu

By means of aspecial key sequence, a special service menu can be accessed (Menu used for production test)

SOFTWARE

Downloadable	FWU OTA
Yes, by means of wired interface from PC	Firmware upload over the air interface is only for SIP DECT systems and with the IP DECT Stand gateway

PHYSICAL

Dimensions (L x W x H)	Weight
Phone: 12.6 cm x 4.4 cm x 1.8 cm (4.9 x 1.6 x 0.8 in) Stand: 15 cm x 17.5 cm x 5 cm (6.0 x 6.9 x 1.9 in)	Phone: 90 g (3.2 oz) Stand: 230 g (8.1 oz)

ENVIRONMENTAL CONDITIONS

Operational Storage	Vibration (packed)	Drop Test (Carton)
Temperature Phone: -20°C to +65°C Stand: 0°C to +45°C Humidity Phone: 95% at 29°C Stand: 95% at 29°C	» Free vibration: 1Hr (Random) » Fixed vibration: 1Hr (3-axis each) » Freq.: 5Hz » Acceleration: 1.2g	» With full carton packaging » Four corner, six faces and 12 edge on hard wooden ground, » Height: 76cm under 9.5kg, 61cm if weight between 9.5kg to 18.5kg, 46cm if weight between 18.5kg to 27.5kg, 30.5cm if over 27.5kg

Drop Test (Gift Box)	Silk-screen and Paint Abrasion Test (Plastic)
» Floor Type: Concrete » Height: 95 cm. » Direction and times: One time for each face. One time for each corner.	RCA machine, 2 meters at 170g

REGULATORY APPROVALS

EMC	Safety	Telecom
CANADA: CSA C22.2 No. 60950-1 USA: UL 60950-1, First Edition EU: EN301 489-1/-6 EN55022 EN55024	CANADA: ICES-003 (CLASS B) IC RSS-GEN Issue 1: 2005 and IC RSS-213 Issue 2:2005 USA: CFR Title 47, Part 15 (CLASS B) SAR for handset: IEEE C95.1-1991, FCC OET Bulletin 65 (Supplement C) Radio Test: DECT 6.0 EU: EN50360: 2001 EN60950: 2006 and IEC60950 Radio Test: EN301 406	CANADA: CS-03 Issue 9: 2005 (Hearing Aid Compatible) USA: FCC part 68 (CFR 47) (Hearing Aid Compatible) US Americans with Disabilities Act (ADA) (HAC and Volume Control)

System Interface Specifications

HANDSET BATTERY

- » G.711 (64 kbps, A-law & u-law)
- » G.729AB (License applies)
- » iLBC (Internet Low Bit Rate CODEC) (RFC 3951/RFC 3952)

RF

RFC3261	RFC3263	RFC3264	RFC3515
SIP 2.0	Locating SIP Servers, Fail-over over SIP and DNS server, DNS SRV	Offer / Answer Model with SDP	» REFER method support » Draft transfer mode Draft-ietf-sipping-cc-transfer-07
RFC3265	**RFC2976**	**RFC2833**	**RFC3842**
Subscription for MWI events	DTMF INFO method	In-Band DTMF / Out of band DTMF support	» Message Waiting Indication
RFC3265	**RFC3550 and RFC3551**	**RFC3325**	**RFC3581**
Subscription for MWI events	RTP and AVP	P-Asserted Identity	» Rport
RFC3891	**RFC2543**	**Number of SIP registrations**	**SIP configuration**
Replaces header support	Hold	Up to eight simultaneous active registrations with eight SIP servers / registrars	» Via http-page or from handset » Digest / basic authentication » STUN Client (NAT Traversal) » Broadsoft Broadworks Rel 14.0 » AccessDeviceInteropTestPlan – R140 compliance

WEB SERVER

- » Embedded web server HTTP
- » Easy configuration of the phone, remote configuration via Management Interface
- » Reasonable customization of the Web Interface to customer branding
- » Password protection

OTHER FEATURES

Remote Firmware Updates	Quality of Service	IP Quality
Yes (HTTP / TFTP)	Type of Service (ToS) including DiffServ Tagging, and QoS per IEEE 802.1p/q	» NetEQ by GIPS (License applies) » Wi-Fi friendly » Warning – Network outage, VoIP service outage » Packet Loss Concealment support » Sequence Error Handling » Adaptive Jitter Buffer support

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