

MITEL 5624 WI-FI HANDSET



ENHANCED SIP ENABLED WI-FI HANDSET

The Mitel® 5624 VoWiFi Handset is a feature-rich SIP enabled handset with colour display, telephony and messaging over the WiFi a/b/g/n standards. The 5624 is delivered as a standard phone which can then be enhanced using Services, Personal Alarm, Location and shared phone licenses.

The handset is designed to be used in an office environment and medium demanding environments such as hospitals. It is suitable for users who are dependent on voice and messaging features, which makes it ideal for applications where the user needs 2-way messaging or to be able to interact with other users.

FEATURES

- WiFi Handset with voice, personal alarm¹ and messaging²
- Supports WiFi standard a/b/g/n radio
- Dynamic output power according to 802.11h
- TFT colour display
- Cleanable, IP 44
- Upgradeable by licenses
- Push button alarm, with ability to send different alarm types¹
- Acoustic Location Signal (ALS) at alarm¹
- Automatic call after alarm¹
- Location (AP, Ekahau RTLSc and Cisco MSE)
- Messaging
- Interactive Messaging
- Coloured Messaging
- Message acknowledgement
- Voice mail⁴
- Push to talk (PTT)
- Shared phone³, supports virtual SIM
- 3 Programmable soft keys
- 9 Programmable hot keys
- Centralized management
- Hearing aid compatible (HA)

TECHNICAL SPECIFICATIONS

PHYSICAL

Dimensions (l × w × d):	134 × 53 × 26 mm
Weight:	135 g (battery and clip included)
Material:	Case: PC/ABS, Key pad: PC, Clip: PA12 Grilamid
	Keypad: PC/Silicon, illuminated by white LED's
Colour:	Black
Display (w × h):	28 x 35 mm
Clip:	Hinge-type (standard) or swivel-type

BATTERY

Type:	Li-polymer
Speech time: ⁵	15 hours
Stand-by time: ⁶	100 hours
Charging time:	2.5 hours
Discharge/charge cycles:	>=80% capacity left after 400 full charge/discharge cycles.

CONNECTORS

Multi-purpose connector:	For battery charging, software download, and configuration
Headset connector:	Standard 2.5 mm

USER INTERFACE

Display:	TFT display with multiple colours with high resolution, more than 65000 individual colours. 176 × 220 pixel LCD with white LED backlighting
Indicator:	LED on top/front for visual indication of events and normal function. The LED may also be used for visual indication of a message
Vibrator:	Incoming calls, other audio events and messages
Buttons/Keypad:	- Soft keys (3) - Call key - End key and Power On/Off on the same key- Five way navigation key (OK button in the centre of the key) - Numerical keys - Sound off key - Volume button up/down - Multifunction button ⁷ - Mute button

¹Applicable to Mitel 5624 Personal Alarm only.

²Applicable to Mitel 5624 Services and Mitel 5624 Personal Alarm only.

³This function requires a license.

⁴This function is system dependent (refers to the voice mail indication feature)

⁵Dependent of Active mode, U-APSD WLAN environment and configuration (refers to the speech time). Location in the system will also affect the speech time.

⁶The stand-by time is without activated screensaver.

⁷This is not available for Alarm licensed phones.

AUDIO

Ring signal: Adjustable in 8 steps and silent
 Earpiece: Adjustable in 8 steps of 3dB each
 Max sound ring signal level: 88 dBA @ 10 cm
 Loudspeaker: Duplex loudspeaking function

SETTINGS

Languages: 18 (Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese (Brazilian), Russian, Slovak, Spanish, Swedish, and Turkish), + 1 customizable.

CENTRAL PHONEBOOK

Max name and number length: 40 characters in a name and 20 digits in a number

COMPANY PHONEBOOK

Max name and number length: 24 characters in a name and 24 digits in a number (1 number per name).
 Entries: 1000

LOCAL PHONEBOOK

Storage of contacts: - 48 character name
 - 24 digit work number
 - 24 digit mobile phone number
 - 24 digit other number
 - Selectable ring tones per contact
 Entries: 250

TELEPHONY

Indication: 14 ring signals, flashing LED and vibrator
 Answer call: Button press or auto answer
 Call list storage capacity: 25 calls (received, dialled and missed) with time stamp
 Protocol: SIP supporting RFC1889, RFC2327, RFC2833, RFC3261, RFC3264, RFC3265, RFC3515 and RFC3842

MESSAGING

Max message length: 160 characters from 5624 Handset. Message length to 5624 Handset is system dependent.
 Storage capacity: 30 received/sent messages.

ALARM

Location types: Associated WLAN access point and Cisco MSE as standard, Ekahau as option
 Alarm types: Single Button with 2 alarm types; long-press and double-press.

RADIO

Receiver sensitivity (typical values): -87 dBm (802.11a, 6Mbps), -93 dBm (802.11b, 1Mbps), -87 dBm (802.11g, 6Mbps), -86 dBm (802.11n, MCS0)
 Frequency range: EU: b/g: 2.4–2.4835 GHz (Ch 1–13) and a: 5.18–5.24GHz (UNII-1 channels, 36,40,44,48), 5.47–5.725 GHz (Ch 100–140)
 USA/Canada: b/g: 2.4–2.4835 GHz (Ch 1–11) and a: 5.15–5.35 GHz (Ch 36–64), 5.47–5.85 GHz (Ch 100–165)
 Maximum output power: 100 mW / 20 dBm
 Modulation speed: b: 1, 2, 5.5, 11Mbps, a, g: 6, 9, 12, 18, 24, 36, 48, 54Mbps, n: MCS0-7

WLAN

Number of networks: 4 systems, manual selection
 Quality of Service (QoS): WMM, TSPEC-based CAC
 Supported networks: 802.11 a/b/g/n (MCS0-7, 20 MHz, 800nS GI)

SECURITY

Security standard: 802.11i
 Encryption methods: 64/128 bits WEP, TKIP, AES-CCMP
 Authentication methods: 802.1X
 Original 802.11 open/shared key authentication
 WPA-PSK/WPA2-PSK/PEAP-MSCHAPv2/EAP-TLSEAP-FAST
 Authentication certificate

ROAMING ENHANCEMENT

Pre-authentication
 Opportunistic Key Caching
 PMKSA caching
 CCKM

ENVIRONMENTAL

Operating temperature:	-5°C to +45°C
Storage temperature: ¹	-25°C to +55°C
Charging temperature:	≥ +5°C
Enclosure protection:	IP44, IEC EN60529
Immunity to electromagnetic fields:	10V/m EN61000-4-3
Immunity to ESD:	6 kV contact discharge and 8 kV air discharge (EN61000-4-2)
Free fall test, standard product:	IEC 60068-2-32, procedure 1, dropped 12 times from 1 metre

ADDITIONAL FEATURES

- High quality voice
- Illuminated display and keypad
- Time and date indication
- Customized GUI
- Profiles
- Local, central, and company phone-book²
- Easy replacement of VoWiFi Handset
- Easy replaceable battery
- Name in call list
- Call list with the 25 last calls
- Clear lists in charger
- 18 languages and 1 customizable
- Standard headset connector 2.5 mm
- Loudspeaking function
- Mute button/Sound off key
- Manual and automatic keypad lock
- Site survey tool

LICENSES

MITEL PART NUMBER	DESCRIPTION
51301216:	Mitel 5624 Services License
51301217:	Mitel 5624 Personal Alarm License
51301218:	Mitel 5624 Services to Alarm Upgrade License
51301219:	Mitel 5624 WiFi Location License
51301220:	Mitel 5624 Shared Phone License

¹Note that storing Li-Polymer batteries at high temperature dramatically reduces its capacity. For example storage around maximum temperature reduces capacity with 20% in less than a month, permanently.

²Central phonebook is system dependent.

ACCESSORIES

- Leather case
- Hinge-type clip
- Swivel-type clip
- Security cord
- Desktop charger
- Desktop Programmer (USB)
- Charging Rack
- Multiple battery charger
- Headset with microphone on cable
- Headset with microphone on boom
- Battery pack
- Portable Device Manager

COMPLIANCE TO EUROPEAN REGULATIONS AND STANDARDS

EU directives: 1999/5/EC (R&TTE), 2009/125/EC (Eco Design)
 Product marking:  
 Radio: EN300 328, EN301 893
 SAR (Specific Absorption Rate): EN50360, 0.280 W/kg (10 gram)
 Safety: EN60950-1
 EMC: EN301 489-01, EN301 489-17, IEC/EN 61000-4-2
 Level 3 criteria B, IEC/EN 61000-4-3
 Level 3 criteria A (10V/m at 80MHz–2.7GHz)

COMPLIANCE TO US REGULATIONS AND STANDARDS

Product marking: FCC ID: BXZWH1
 US: 9FV1PNANWH1 **HAC**
 SAR (Specific Absorption Rate): FCC/OET Bulletin 65 Supplement C and IEEE Std. 1528
 Normal operation 1.3 W/kg (1 gram)
 Body worn operation 1.16 W/kg (1 gram)#
 Safety: UL/CSA 60950-1
 EMC/Radio: FCC 47CFR Part15 Subpart B, FCC 47CFR Part15 Subpart CFCC 47CFR Part15 Subpart E
 Hearing Aid: 47 CFR Part 68

COMPLIANCE TO CANADIAN REGULATIONS AND STANDARDS

Product marking: IC: 3724B-WH1
 EMC/Radio: RSS-210 Annex 8
 SAR (Specific Absorption Rate): RSS-102, Issue 3
 Normal operation 1.3 W/kg (1 gram)
 Body worn operation 1.16W/kg (1 gram)
 Safety: UL/CSA 60950-1Hearing aid:CS 03, Issue 9

COMPLIANCE TO AUSTRALIAN AND NEW ZEELAND REGULATIONS AND STANDARDS

Product marking:  N26440
 Radio: EN 301 893
 Audio: AS/ACIF S004:2008
 SAR (Specific Absorption Rate): EN 50360, 0.280 W/kg (10 gram)

Specifications are subject to change without notice.

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