Mitel 5619 IP-DECT Phone

Intrinsically Safe handset specifically designed and engineered for Hazardous Area environments

Key Features

- High resolution 2.4 inch TFT display with multi-color LED
- Shock, vibration, drop, temperature and chemical resistant
- Alarm Support with push button, man-down, no-movement and/or pull-cord
- Intrinsically safe with EX Classification
- Advanced messaging including priority and confirmation
- Bluetooth 5.0
- 3.5 mm headset connector
- Wideband audio support
- Standard 3.5 mm headset connector
- Multi-function button
- IP65 Protection Class

The Mitel 5619 IP-DECT handset is Intrinsically Safe handset specifically designed and engineered for Hazardous Area environments. The handset is designed for users who work in the toughest working environments with alarm support with push button, man-down, no-movement and/or pull-cord. The Mitel 5619 is built to be comfortable to use throughout the longest shifts, featuring: a large color display, advanced messaging, wired or wireless headsets, multiple language and phonebook options, a carrying clip and a long-life, replaceable battery.

The Mitel 5619 is ingress protected to IP65 standard and it has been tested way beyond the standard free fall, temperature, chemical-resistance and endurance tests. And of course, it features advanced speech encryption and authentication.

Location Management

Keep your workers safe by taking advantage of built-in Low Frequency (LF), Bluetooth Low Energy (BLE) and Infrared (IR) technologies to provide high precision location tracking of workers.

Phone Management

The DECT phones can be managed in two alternative ways: a central solution using the Mitel CPDM3/WSM3 server and/or a local PC solution with phones docked in a dedicated Desk PDM Programmer.

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Display

- *Large 2.4" color TFT display with white LED backlighting*
- *Multiple colors with high resolution, 262 K individual colors 240 x 320 pixel*

User Interface

- *Indicators:*
  Sound, vibrator, illuminated display and/or a multicolored LED indicates incoming call/message, 14 ring signals
- *Button and keys:*
  Three programmable soft keys, fourway navigation key, off-hook key, on-hook and power on/off key, numerical keys, sound off key, volume up/down, alarm button, mute multifunction button and push-to-talk multifunction button

Connectors

- *Multipurpose: Multi-purpose connector for battery charging, fast software download and configuration*
- *Other: Screw reinforced standard 3.5 mm headset connector for Peltor/3M hearing protection headset cable The 3.5 mm connector can also be used for charging with a charging cable using a Europlug*

Audio and Codecs

- *Wideband audio: Support of voice codecs G.722.2 and G.726*
- *Background noise reduction: Two microphones and Adaptive Noise Reduction*
- *Ring signal:*
  Adjustable in 8 steps
- *Max. sound ring signal level: 100 dBA at 10 cm distance*
- *Earpiece:*
  Adjustable in 8 steps of 3dB each
- *Loudspeaker: Duplex loudspeaker*

Telephony

- *Answer call:*
  Button press or auto answer
- *Call list storage capacity: 50 calls (received, dialled and missed) with time stamp*

Messaging

- *Maximum message length: Up to 140 characters from handset, depending on language and system settings*
- *Storage capacity: 30 received/sent messages (>20,000 characters)*
- *Other:*
  Configurable beeps depending on urgency, pre-programmed messages

Administration features (IP DECT)

The Mitel WSM3/CPDM3

- *DECT Phone configuration over the air*
- *Automatic firmware update over the air*

Mitel's Central Portable Device Manager (CPDM3 / WSM3) solution can manage multiple DECT phones simultaneously. The CPDM3/WSM3 works with LAN-connected Rack PDM Chargers and Desk PDM Programmers. Phones can then be managed either locally or remotely. For DECT phones used in IP-DECT systems, the phones can also be managed over the air.

The Mitel Desk PDM Programmer

Desk PDM (Portable Device Manager), supports the configuration of phones with all their parameters, as well as software upgrades. The Desk PDM software is installed on a PC and connected to the Desk PDM Programmer via the included USB cable. A database on the PC stores all the phone configurations - only one phone can be managed at a time.

Phonebooks

- Central phonebook:
  Unlimited number of entries,
  maximum 40 characters in a name
  and 20 digits in a number

- Company phonebook:
  1,000 entries, maximum 24 characters
  in a name and 24 digits in a number

- Local phonebook:
  250 entries, maximum 48 character in
  a name and 24 digits in a number

Battery

- Type: Li-ion 3.7 V, 920 mAh

- Speech time:
  » Up to 10 hrs (with BT headset and
  location features enabled)
  » Stand-by time: Up to 120 hrs (with
  black screen saver activated and
  location features disabled)

- Charge time: < Less than 4 hrs

- Discharge/charge cycles:
  » >=80% capacity after 400 full
  charge/discharge cycles

- Easily replaceable battery

Environmental

- Operating temperature:
  -10°C to +55°C (14°F to 131°F)

- Storage temperature:
  -20°C to 60°C (-4°F to 140°F)

- Charging temperature:
  +5° C to +40° C (+41° F to +104° F)

- Enclosure protection: IP65, IEC
  EN60529

- Immunity to ESD: 8 kV contact
  discharge and 16 kV air discharge,
  EN61000-4-2

- *Free fall test*:
  - IEC60068-2-31, procedure 1:
    Dropped 12 times, specification
    extended to 2 m.
  - IEC60068-2-31, procedure 2:
    Dropped 1000 times from 0.5 m

- Climate stress:
  Handset exposed to rapid temperature
  and humidity changes Temperature
  range: -40° C to +75° C (-40° F to
  +167° F)

- Humidity range: 0% to 90%

- Vibration test:
  Handset exposed to 30 Hz vibrations
  for a duration of 2.5 hrs

- Chemical stress:
  Handset exposed to oleic acid Keypad
  actuation test: Keys pressed 15,000
  times with a force of 13 N

- Squeeze test:
  Handset squeezed 1,000 times with a
  force of 130 N

Radio

- Color:
  DECT protocol detection: Automatic
  detection and configuration for US
  DECT and EU DECT at first
  registration

- Frequency range:
  » 1880–1900 MHz:
  Europe, Africa, Middle East, Australia,
  New Zealand and parts of Asia
  » 1880–1900 MHz:
  Europe, Africa, Middle East, Australia,
  New Zealand and parts of Asia
  » 1900–1906 MHz:
  Thailand
  » 1910–1920 MHz:
  Brazil
  » 1910–1930 MHz:
  Latin America
  1920–1930 MHz: US

- Modulation: GFSK

- Channel spacing: 1.728 MHz

- Antenna: Two integral antennas for
  diversity

- Sensitivity: -93 dBm

- Maximum: 10 mW: Europe, Latin
  America, Brazil, 4 mW: US

- Bluetooth: Supports Bluetooth 5.0
  and profiles headset and handsfree

EX Classification

ATEX certified
IECEx certified

CSA certified for North America

UK Ex certified in the UK

Security

Encryption: Full support of the DECT Security EN300444 feature N35 (Enhanced security) and N36 (AES/DSAA2 authentication)

Alarm Types

- *Push alarm button*
- *Man-down*
- *No-movement and/or pull-cord*

Location

Location types: Bluetooth Low Energy (BLE), DECT, Infrared (IR), Low Frequency (LF)

Languages

Menu and message languages: Arabic, Czech, Danish, Dutch, English, Finnish, Flemish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese (Brazilian), Portuguese (European), Russian, Simplified Chinese, Slovakian, Spanish, Swedish and Turkish plus one downloadable language

Dimensions

- *Dimensions: 150 x 64 x 23 mm*
- *Weight: 175 g (6.17 oz) (incl. clip and battery)*
- *Color: Handset: gray/black,*
- *Front plate: blue*
- *Build: Case: PC/ABS,*
- *Keypad: PC, Clip: PA Case: Hinge type (standard), swivel type or no clip*

Parts and Accessories

Get even more from Mitel DECT handsets with tested carrying and headset accessories and charging and battery options.

- *Mitel 5617 IP-DECT Phone*
- *Desktop Charger*
- *Battery Pack Charger*
- *Charging Rack*
- *Battery Pack Adapter*
- *3.5mm Charger*
- *Carrying Case*
- *Standard Clip*
- *No Clip Cover Plate*
- *Swivel Clip*
- *Security String*
- *Battery Pack*
- *Pull Cord*
- *Cover pull clip for pull cord*
- *Screw Kit*

Note 1:   The wired headset is not allowed in EX hazardous area. Only the Bluetooth headset is approved for the EX version.

*Note 2:   **In EX classified areas**; it is NOT permitted to charge the battery while it is in the intrinsically safe ATEX/IECEx telephone, remove the battery, or charge it separately.*

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