

Alcatel-Lucent 8262/8262Ex SIP-DECT Handsets

The Alcatel-Lucent 8262 SIP-DECT Handset is the perfect communications companion for your mobile workforce operating in demanding environments such as construction, manufacturing or the oil and gas industry.

The 8262 SIP-DECT Handset provides unparalleled robustness through 180 g (6.34 oz) of technology packed into a ruggedized body, with a shock-proof screen that can survive falls from 2.0 m (6.6 ft). The dedicated shield and body grip make the 8262 SIP-DECT Handset usable with gloves for specific industries such as chemistry, construction or metallurgy.

The 8262 SIP-DECT Handset provides a complete set of Isolated Worker Protection services that protect lone workers from incidents and accidents at the workplace. These include man-down, no movement, pull cord and emergency button.

Isolated Worker Protection is enhanced when augmented with device geo-location. The 8262 SIP-DECT Handset offers low cost and high precision. The device supports Bluetooth 5.1 Low Energy technology. Radio transmitters are disseminated throughout the work yard, and intelligence is concentrated in the centralized supervision system.

The Alcatel-Lucent 8262Ex SIP-DECT Handset offers all the characteristics of the 8262 SIP-DECT Handset in hazardous gas and dust environments where there is risk of an explosion.



8262 SIP-DECT
Handset

8262Ex SIP-DECT
Handset

Features	Benefits
Reach business telephony features	Enjoy all the business communication features such as easy access to the corporate directory and Bluetooth connectivity
Ruggedized IP65	Designed for demanding environments, the 8262 and 8262Ex can resist up to a 2 m drop onto concrete
Bluetooth Low Energy technology for high-accuracy geo-location	Locate the device and user; accelerate first response
Isolated Worker Protection services	Trigger help quickly with features such as alarm buttons, man-down, no movement, or pull-cord
Quality HD audio in noisy environments	Noise reduction thanks to two microphones provides excellent audio comfort
8262Ex: Explosion proof	Designed for explosive environments. The 8262Ex is built to prevent sparking in all situations. It is ATEX compliant with the following classification: → Gas: II 2G Ex ib IIC T4 Gb → Dust: II 2D Ex ib IIIC T135°C Db IP65"

Datasheet

Alcatel-Lucent 8262/8262Ex SIP-DECT Handsets

Technical specifications

Physical characteristics

- 8262 SIP-DECT Handset Box contains handset, battery, belt clip and safety sheet
- 8262Ex SIP-DECT Handset Box contains handset, battery, belt clip, Torx screwdriver and safety sheet
- Color: Black
- Graphic display: 2.4 in, 320 x 240 pixels, 65,000 colors
- Display backlight: White
- Keypad backlight: Blue
- Hands-free, mute
- Vibrator
- Headset: Jack 3.5 mm, TRRS compliant¹
- Battery charging on micro-USB type B connector¹ or desktop charger

Dimensions

- Height: 145 mm (5.71 in)
- Width: 55 mm (2.16 in)
- Depth: 23 mm (0.9 in)
- Weight: 180 g (6.34 oz)

8262 battery pack

- Easily replaceable 1,100-mAh lithium-ion battery
- Talk time: Up to 20 hours
- Standby time: Up to 200 hours
- Charging time: Less than 3 hours

8262Ex battery pack

- 1,100-mAh lithium-ion battery screwed for security purpose
- Talk time: Up to 17 hours
- Standby time: Up to 160 hours
- Charging time: Less than 6 hours

Radio specifications

- DECT frequency band
 - DECT Europe: 1880 MHz to 1900 MHz
 - DECT 6.0 North America: 1920 MHz to 1930 MHz
 - DECT Latin America: 1910 MHz to 1930 MHz, except Brazil 1910 MHz to 1920 MHz
 - DECT Asia: 1900 MHz to 1906 MHz
- Handover: Bearer, connection, external
- Out-of-coverage signaling
- Antenna diversity

Wireless security

- Identity
- Authentication
- Encryption Step-C (DSC2)

Bluetooth 5.1

- Headset profile
- Hands-free profile
- Proximity profile

Registration

- Up to four systems
- Manual selection
- Automatic selection

Audio codecs

- G.726, G.722

Detailed features

- Handset MMI languages: English, French, German, Spanish, Italian, Dutch, Portuguese, Danish, Swedish, Norwegian, Turkish, Polish, Russian, Croatian, Serbian, Slovenian
- Hands-free, microphone mute
- For status indication: Three colors (green/orange/red) for battery status, missed calls, messages
- Ring tones and vibrate mode
 - Twelve user-selectable polyphonic tones
 - Volume control: Six values
- Date and time
- Supports CAT-IQ protocol with ALE SIP-DECT base stations
- Contact: Up to 200 with 4 numbers per contact
- Central directory through SIP-DECT base station
- Call by name using contact and central directory
- Call log: Local call log
 - All, answered, dialed, missed
 - Up to 100 call logs
- Messages
 - Message length: 160 characters
 - Call log: Up to 150 messages
- 9 speed dial keys and 2 programmable keys: F1/F2 keys
- Two microphones provide ambient noise cancellation
- Keypad lock
- Multiline, multiple SIP accounts management
- Push to talk feature

Alarms and notifications

- Alarm button call and messages (long-press or multiple presses)
- Man-down call and messages
- No movement call and messages
- Pull cord (accessory) call and messages
- Running call and messages

- Bluetooth Low Energy (BTLE) beacon detection
- Status call (reports on/off status)
- Notification messages: Normal, Urgent, Very urgent, with call back request
- 6 specific notification ring tones
- Alarm acknowledgement
- Compatible with several alarm servers
- Notification call log: Up to 200 messages
- Pre alarm management
- Howling audio signal for handset location

Location

- Triangulation with SIP-DECT base stations
- Location through BTLE beacon
- External server required

Serviceability

- DECT survey tool
- Bluetooth survey
- USB multiple devices download tool
- Software update over the air

Software management tool

- USB download tool
- DECT Handsets Unified Support Tool

Operating environment

- Operating temperature
 - -10° C to +50° C (14° F to +122° F) (restrictions from class 7.3, see (*) under "Environmental")
 - +5° C to +40° C (41° F to +104° F) for charging
- Storage temperature
 - -25° C to +55° C (-13° F to +131° F)
- Transport temperature
 - -40° C to +70° C (-40° F to +158° F)

Free fall tests

- Handsets dropped 30 times from 1.2 m
- Standard product IEC 60068-2-32, procedure 1, dropped 12 times on concrete floor, extended to 2 m
- IEC 68-2-32, procedure 2, dropped 1,000 times from 0.5 m
- Standard product IEC 60068-2-32, procedure 1, dropped 12 times on concrete floor, extended to 2 m
- IEC 68-2-32, procedure 2, dropped 1,000 times from 0.5 m

Chemical resistance test

- 99% concentration of isopropyl alcohol
- Undiluted dishwasher detergent
- 3% hydrochloric acid
- M-alcohol (85% methylated ethanol)
- 60% chlorhexidin 0.5 mg/ml

Datasheet

Regulatory

- EU directives
 - 2014/53/EU (RED)
 - 2011/65/EU & 2015/863 (RoHS)
 - 2014/34/EU (ATEX)
 - 94/62/EC (Packaging and Packaging Waste)
- EU regulations
 - 2023/1542 (Battery)
 - 2023/1670 (Ecodesign)
- Safety
 - IEC/UL/CSA/EN 62368-1
- EMC standards
 - EN 301 489-1
 - EN 301 489-6
 - EN 301 489-17
 - IEC/EN61000-4-2 (Level 3 criteria A)
- SAR
 - Europe: EN 50360 & EN 50566
 - Canada: RSS-102
 - Australia/NZ: EN62209-1/EN62209-2
 - US: IEEE 1528 and KDB procedures
 - 0.26 W/kg 1g Head SAR
 - 0.27 W/kg 1g Body SAR
- Acoustic shock
 - Europe: EG 202 518
- Audio, hearing aid
 - US: FCC part 68.316 and 68.317
 - Canada: CS-03 part V
 - Australia/NZ: AS/ACIF S040
 - Australia: AS/ACIF S004

Radio frequency

- DECT
 - CAT-iq 2.0 including
 - EN 300 176-2 (Audio)
 - ETSI TBR22/A1 (GAP)
 - ETSI TS 102 841 (Profile test)
 - Full support of the DECT Security step C, as specified by the DECT forum
- DECT Radio standards
 - EN 301 406
 - FCC 47 CFR Part 15 - Subpart D
 - RSS-213
- Bluetooth Radio standards
 - EN 300 328
 - FCC 47 CFR Part 15 - Subpart C
 - RSS-247
 - AS/NZS 4268
- Protected (8262Ex SIP-DECT Handset)
 - ATEX (Europe)
- EN IEC 60079-0, EN IEC 60079-11
 - IECEx
- IEC 60079-0, IEC 60079-11
 - Marking
 - Gas: II 2G Ex ib IIC T4 Gb
 - Dust: II 2D Ex ib IIIC T135°C Db

Environmental

- Operation: (*) ETS 300 019 part 1-7 class 7.3 (with restrictions): Partly weather protected and non-weather protected locations
- Storage: ETS 300 019 part 1-1 class 1.2: Weather protected, not temperature-controlled storage locations
- Transport: ETS 300 019 part 1-2 class 2.3: Public transportation
- IP Class: EN 60529 IP65

Ordering information

Handsets

- 3BN67400AA 8262 SIP-DECT Handset
- 3BN67401AA 8262Ex SIP-DECT Handset

Accessories

- 3BN67346AA Desktop charger
 - Charges one handset and one battery¹
- 3BN67352AA Vertical pouch
- 3BN67348AA Spare belt and swivel clip
- 3BN67347AA Pull cord
- 3BN67386AA Spare battery door¹ (x10)
- 3BN67354AA Accessory kit
 - Belt clip covers (x2), Battery doors (x2), Screws for cover (x4), Pull cord covers (x2) and adapted screwdriver
- 3BN67351AA Rack charger
 - Charges up to 6 handsets and 6 batteries
- 3BN67353AA Power supply for rack charger
- 3BN67361AA Spare battery for 8262Ex
- 3BN67368AA Spare battery charger for 8262Ex

Common DECT Handsets accessories

- 3BN67335AA Power supply Europe
- 3BN67336AA Power supply worldwide
- 3BN67332AA Spare battery¹

Recommended Bluetooth headsets

- 3MH37051AA AD51 DECT headset monaural
- 3MH37052 AD52 DECT headset binaural

¹ Available for 8262 SIP-DECT handset only