



IP DECT – SME Voice over IP

The revolutionary scalable solution

Why choose the SME VoIP Solution?

- IP DECT Base Station for small and medium enterprise
- Cost effective and scalable solution
- Pay as you grow
- Save money compared to a traditional PBX solution
- Mix between traditional DECT and CAT-iq wideband audio
- Over the air synchronisation
- Seamless handover
- Power over Ethernet provides a simple installation



Key Features

- DECT GAP / CAP / CAT-iq – Basestation
- Wideband Voice (HDSP) Basic and Extended
- 12 Slot radio with up to 10 voice channels active
 - 10 audio channels using G.726 / G711 codec
 - 10 audio channels using G.729 (optional)
 - 5 CAT-iq wideband audio channels using G.722
- Worldwide Radio power levels / frequency bands
- Scalable system from 1 to 40 bases in same network.
- 200 users (200 handsets registered)
- Power over Ethernet
- Over the Air synchronization
- Support software download to wireless terminals
- LED status indication
- Compact design
- Seamless handover
- Repeater support

Handset Features

- Wideband Audio (G.722)
- 2" TFT display (176x220x262k) with graphical user interface
- Well-proven graphical MMI with wallpapers
- Polyphonic ringtones
- Phonebook: 200 central and 100 local entries
- GAP and CAT-iq compliant
- Headset connector (3.5mm)
- SW upgrade over-the-air
- Wideband two-way speaker phone mode
- Vibrating ring

Technical Specifications

DECT

- Frequency band: 1880 MHz – 1930 MHz (DECT)
 - 1880 – 1900 MHz (10 carriers) Europe
 - 1910 – 1930 MHz (10 carriers) Latam
 - 1920 – 1930 MHz (5 carriers) USand customized frequency bands.
- Four power levels (14, 17, 20 and 24 dBm)
- Seamless handover using Connection Handover
- Wideband Voice (HDSP) Basic Interoperability, Phase I (CAT-iq 1.0)
- Authentication / Encryption of base and handset

Audio

- 10 audio channels using G.726 / G711 codec
- 10 audio channels using G.729 (optional DSP)
- 5 CAT-iq wideband audio channels using G.722
- RFC3711 SRTP

Antennas

- Internal omni-directional antennas
- Support for 2 external antennas (SMA connectors)
- Range: Indoor: 50 m Range: Outdoor: 300 m

Additional features:

- Repeaters supported
- Fast antenna diversity switching
- Synchronization via air interface

System

- 200 users (200 handsets registered)
- 40 bases can be connected into one PBX system

Network

- TFTP, HTTP, HTTPS for remote configuration and firmware download
- VLAN
- DHCP options 66 and custom
- Embedded web server for easy configuration

Power supply

- Power over Ethernet (PoE): 36-60 V - IEEE802.3af (Class 0)
- Max power consumption: 5W

Ethernet

- Connector: RJ 45
- Interface to IP network: 10/100 BASE-T IEEE802.3
- IPv6

Mechanics

- Housing: IP20
- Dimensions: 227 x 279 x 39mm (HxWxD)
- Temperature Range: - 5° to + 55°

Other

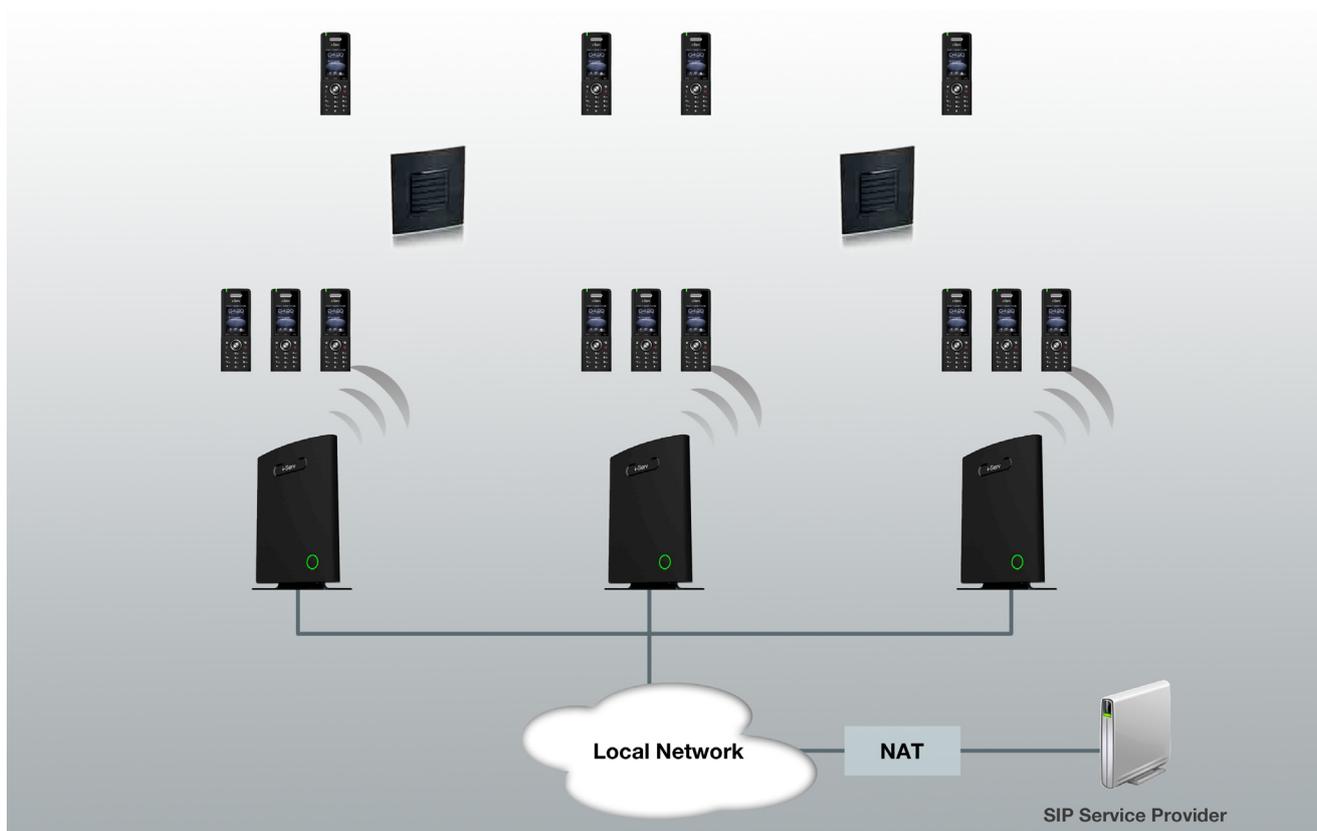
- LED status indication
- Firmware update

Approvals

- EN301406 (TBR6)
- EN30176 - 2 (TBR10)
- EN60950 - 1 (safety)
 - IEC60950 -1
 - CSA c-CSA-us or UL60950 - 1
- EN301489 (EMC, ESD)
- RF (EMF, SAR)
- FCC part15D, conducted & radiated
- FCC part 15B
- RSS213

SIP (Session Initiation Protocol)

- SIPS
- RFC2833 In-Band DTMF/Out of band DTMF support
- RFC2976 The SIP INFO method
- RFC3261 compliance
- Digest/basic authentication
- RFC3263, DNS SRV redundant server support
- RFC3264 Offer/answer
- RFC3326 The Reason Header Field for SIP
- RFC3489 STUN
- RFC3515 REFER
- RFC3581 RPORT
- RFC3842, RFC3265 Message Waiting Indication, subscription for MWI events
- RFC3892 SIP Referred-By Mechanism
- RFC3960 Early Media and Ringing Tone Generation in SIP



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