RTX

IP DECT - SME VoIP 8630

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

Wireless

System Features

- DECT GAP / CAT-iq
- Wideband audio (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 synchronisation
- Support software download to wireless terminals
- LED status indication
- LDAP and/or XML phonebook support
- Seamless handover
- Repeater support
- Auto/Remote provisioning

Handset Features

- Wideband audio (G.722)
- 2'' TFT display (176x220x262k) with graphical user interface
- Well-proven graphical MMI with wallpapers
- Polyphonic ringtones
- Phonebook: 3000 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
- Vibrator

Wireless

TECHNICAL SPECIFICATIONS

IP DECT Basestation – SME VoIP 8630

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) US
  and 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
- Range: Indoor: 50 m
- Range: Outdoor: 300 m

ADDITIONAL FEATURES

- Repeaters supported (upto 120 repeaters)
- Fast antenna diversity switching
- Synchronisation 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
- IPv6

POWER SUPPLY

- Power over Ethernet (PoE): 36-60 V - IEEE802.3af (Class 2)
- Max power consumption: 5W

ETHERNET

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

MECHANICS

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

OTHER

- LED status indication
- Firmware update

APPROVALS

- EN 301406 (TBR6)
- EN 30176 - 2 (TBR10)
- EN 60950 - 1 (Safety)
  - IEC60950 -1
  - CSA c-CSA-us or UL60950 - 1
- EN 301489 (EMC, ESD)
- RF (EMF, SAR)
- FCC part 15D, 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
- RFC 4028
- RFC 3311