



**RTX8660**  
IP DECT - SME VOIP

The RTX8660 is our DECT multi-cell base station. It supports up to 254 base stations and 1000 handsets. It is specifically developed for small and medium enterprises. The RTX8660 is both cost effective and scalable as you can pay as you grow.

# 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
- Range: Indoor: 50 m
- Range: Outdoor: 300 m

## ADDITIONAL FEATURES

- Repeaters supported (upto 120 repeaters)
- Fast antenna diversity switching
- Synchronisation via air interface

## SYSTEM

- 1000 SIP registrations (max 1000 handsets)
- 254 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 (PSE)

- Power over Ethernet (PoE): 44-57V - 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: 210,50 x 150 x 58mm (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)

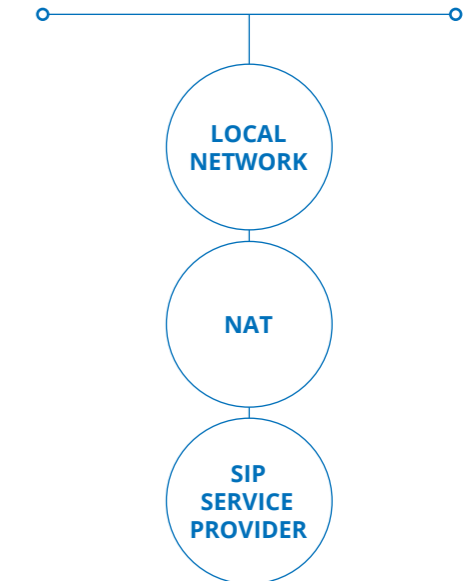
- SIPs
- RFC2833 In-Band DTMF/Out of band DTMF support
- RFC2976 The SIP INFO method
- RFC3261 compliance
- Digest/basic authentication
- RFC3263, DNS SRV redundant server support
- RFC3264 Offer/answer
- RFC3326 The Reason Header Field for SIP
- RFC3489 STUN
- RFC3515 REFER
- RFC3581 RPORT
- RFC3842, 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



## RTX8660 IP DECT - SME VOIP

### IP DECT MULTI-CELL SOLUTION

- Upto 254 bases and 1000 handsets
- 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



## FEATURES

- DECT GAP / CAT-iq
- Wideband audio (HDSP) basic and extended
  - 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 254 bases in same network
- 1000 subscriptions (max 1000 handsets)
- 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