



RTX8663
IP DECT BASE

- Up to 4000 base stations and 16000 handsets
- IP DECT Base Station for Small and Medium Enterprise
- HD and/or narrow band audio
- IEEE1588 Lan and/or Air synchronization
- Seamless handover
- Power over Ethernet or DC supply
- Upside down mounting option, with turnable logo

FEATURES

- Wideband and narrowband audio support
- 12 slot radio with up to 10 voice channels active
 - 10 audio channels using G.726 / G711 codec
 - 10 audio channels using G.729 / BV32
 - 8 audio channels using OPUS
 - 5 CAT-iq wideband audio channels using G.722
- Worldwide radio power levels / frequency bands
- Scalable system from 1 to 4000 bases in same network
- 16000 subscriptions (max 16000 handsets)
- Power over Ethernet or DC supply
- IEEE1588 Lan and/or Air synchronization
- Support software download to wireless terminals
- LED status indication
- LDAP and/or XML phonebook support
- Seamless handover
- Repeater support
- Auto/Remote provisioning



TECHNICAL SPECIFICATIONS

IP DECT Base station – SME VoIP 8663

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
- 5 CAT-iq wideband audio channels using G.722
- RFC3711 SRTP

With DSP module

- 10 audio channels using G.729
- 10 wideband audio channels using BV32
- 8 audio channels using OPUS

ANTENNAS

- Internal omni-directional antennas
- Range: Indoor: 50 m
- Range: Outdoor: 300 m

ADDITIONAL FEATURES

- Repeaters supported (up to 100 repeaters)
- Fast antenna diversity switching
- Synchronisation via air interface

SYSTEM

- 16000 SIP registrations (max 16000 handsets)
- 4000 bases can be connected into one PBX system

POWER SUPPLY

- Power over Ethernet (PoE): 37-57V - IEEE802.3af (Class 2)
- DC power input: 5VDC@2A

NETWORK

- TFTP, HTTP, HTTPS for remote configuration and firmware download
- VLAN
- DHCP options 66 and custom
- HTTPS or HTTP embedded web server
- IPv6

ETHERNET

- Connector: RJ 45
- 10/100 Base-T interface (IEEE802.3)

MECHANICS

- Housing: IP20
- Dimensions: 144x140x35mm (HxWxD)
- Temperature Range: -10° to +50°

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)
- FCC part 15D, conducted & radiated
- RSS213
- EN 62311 (SAR)

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