

# RTX9430 Specification



NEW TECHNOLOGY  
PRODUCTS



## Small office HD audio solution

- IP DECT solution for small office environment
- Supports 1 – 20 users
- Mix between traditional DECT and CAT-iq wideband audio
- Repeater support for coverage extension
- Up-to 5 simultaneous calls
- Power through standard 5V adaptor
- Supports Local / Hosted IP PBX or SIP trunk lines



## System Features

- DECT GAP / CAT-iq
- Wideband audio (HDSP) basic and extended
- 6 slot radio with up to 5 active voice channels
  - 5 audio channels using G.726 / G711 codec
  - 4 audio channels using G.729
  - 5 CAT-iq wideband audio channels using G.722
- Worldwide radio power levels / frequency bands
- 20 users (20 handsets registered)
- Support software download to wireless terminals
- LED status indication
- LDAP and/or XML phonebook support
- Repeater support
- Auto/Remote provisioning
- Broadsoft, Asterisk and 3CX compliant

## Handset Features

- Wideband audio (G.722)
- 1,44" TFT display (128x128x64k) with graphical user interface
- Well-proven graphical MMI with wallpapers
- Polyphonic ringtones
- Local and remote phonebook support
- GAP and CAT-iq compliant
- Headset connector (3.5mm)
- SW upgrade over-the-air
- Wideband two-way speaker phone mode



# TECHNICAL SPECIFICATIONS

## IP DECT Basestation – 9430

### 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)
- Wideband voice (HDSP) Basic
- Interoperability, Phase I (CAT-iq 1.0)
- Authentication / encryption of base and handset

### AUDIO

- 5 audio channels using G.726 / G711 codec
- 4 audio channels using G.729
- 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 (up to 3 repeaters)
- Fast antenna diversity switching

### SYSTEM

- 20 users (20 handsets registered)
- 1 base and up-to 3 repeaters

### NETWORK

- TFTP, HTTP, HTTPS for remote configuration and firmware download
- VLAN
- DHCP options 66 and custom
- Embedded web server for easy configuration
- IPv6
- SRTP and SIPS support using certificates

### POWER SUPPLY

- 5V mains adaptor
- Max power consumption: 5W

### ETHERNET

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

### MECHANICS

- Housing: IP20
- Dimensions: 118 x 177 x 32mm (HxWxD)
- Temperature Range: 0° to +40°

### 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