



## DC201

# Wireless DECT Phone System for Business

## Datasheet

Designed to work exclusively for Sangoma phone systems, the DC201 DECT phone package provides small-to-medium sized businesses with high quality wireless DECT that integrates into your IP-PBX.

The DC201 DECT Base + Handset package supports up to 20 users, giving your staff and colleagues the freedom and efficiency of wireless, while moving around. The best part is the automatic provisioning with Sangoma's phone systems for easy deployment and mass provisioning. The DC201 package provides your staff with wireless communication so they can take their phone extension with them as they move around the office. Perfect for administrators, warehouse workers, maintenance personnel, and retail stores.



**DECT Phone System Includes DB20 Base & 1 D10 Handset**



**Supports Up to 20 DECT Cordless Handsets Additional Handsets Sold Separately**



**Up to 5 Simultaneous Calls Base Station**



**Up to 8-Hour Talk Time & 75-Hour Standby Time**



**Autoprovisioning with Switchvox, PBXact and FreePBX Phone Systems**



**TLS & SRTP Encryption**



**Range:  
Up to 50m Indoors**



**Both North American and EU Standard Base Stations Available**



# Technical Specifications

## Handset Features

- 1.44" TFT display (128 x 128 x 64k) with graphical user interface
- Up to 5 simultaneous calls (Base station)
- Standby time: 75 hours
- Talk time: Up to 8 hours
- Range: Up to 50m indoors
- Headset connector (3.5mm)
- Handset selection for receiving call
- Handset and number selection for placing call
- Paging, intercom, auto answer, call hold, call transfer, 3-way conference, call waiting, mute, silence, DND, caller ID with name and number, anonymous call, anonymous call rejection, call forward, speed dial, voicemail, redial, message waiting indication and call history
- Wideband audio (G.722) support
- Graphical interface with selectable wallpaper
- Selectable polyphonic ringtones
- Local & remote phonebook support
- 1m drop protection
- P-20 Ingress rated
- Wideband two-way speaker phone
- Handset automatically supports both North America and EU standards
- Firmware update

## Base Station

### Network

- Up to 5 simultaneous calls
- 1x RJ45 10 / 100M Ethernet port
- IP assignment: static / DHCP
- SIP v1 (RFC2543), v2 (RFC3261)
- SNTP / NTP
- VLAN (802.1Q and 802.1P)
- STUN client (NAT traversal)
- UDP / TCP / TLS

### Audio

- 5 Audio channels using G.726 / G.711Codec
- 4 audio channels using G.729
- 5 CAT-iq wideband audio channels using G.722
- RFC3711 SRTP

## DECT Between Base Station and Handset

- Frequency band:
  - 1880MHz-1930MHz (DECT)
  - 1880 – 1900 MHz (10 carriers) Europe
  - 1920 – 1930 MHz (5 carriers) US
- Four power levels (14, 17, 20 and 24 dBm)
- Interoperability, Phase I (CAT-iq1.0)
- Authentication / encryption of base and handset

## Physical Features

- AC adapter (Handset and base station)
  - AC 100-240V Input
  - DC 5V/600mA Output
- Handset dimensions
  - 118 x 177 x 32mm (HxWxD)
- Base station dimensions
  - 130 x 100 x 25.1mm (HxWxD)
- Operating humidity
  - 10~95%
- Operating temperature
  - 10~+40°C

## Approvals

- EN 301406 (TBR6)
- EN 30176 -2 (TBR10)
- EN60950 -1(Safety)
  - IEC60950 -1
  - CSA c-CSA-us or UL60950 -1
- EN 301489 (EMC, ESD)
- RF (EMF, SAR)
- FCC part 15D, conducted and radiated
- FCC part 15, ClassB
- RSS213 (Canada)

## SIP Between Base Station and IP-PBX

- SIP
- 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

## DC201 Package Contents

- 1x DB20 base station
  - US or EU standard
- 1x DC10 handset with cradle
  - Rechargeable battery set
- 2x 5V AC power adapters (For handset and base station)
  - US / EU / UK plugs based on region
- Quick-start guide

