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UNIFIED COMMUNICATIONS

DW-X410-S
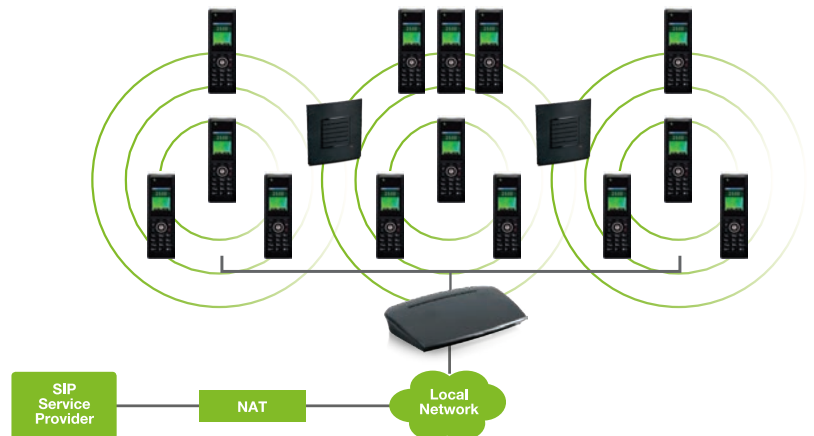
Base for Small office HD audio solution

» 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

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Wireless

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

Supported handsets

- » DW-X400
- » DW-X430
- » DW-X440

TECHNICAL SPECIFICATIONS / IP DECT Basestation

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.

ETHERNET

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

ANTENNAS

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

DECT

- Frequency bands:
  - 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.

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.

NETWORK

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

ADDITIONAL FEATURES

- Repeaters supported (up to 3 repeaters).
- Fast antenna diversity switching.

MECHANICS

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

POWER SUPPLY

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

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.

SYSTEM

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

OTHER

- LED status indication.
- Firmware update.

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