Denwa

UNIFIED SYSTEM FOR THE NEXT GENERATION

Especificaciones de Producto

HANSET
DW-X400

BASE
DW-X410

REPEATER
DW-X420

Wireless

La nueva y Revolucionaria solución escalable

¿Por qué elegir la solución VoIP de las PYME?

- Movilidad sin límite para la pequeña, mediana y gran empresa.
- Solución rentable y escalable. Pague a medida que crece.
- Ahorre dinero en comparación con una solución de PBX tradicional
- Mezcla entre DECT tradicional y CAT-iq audio debanda extendida.
- Calidad de audio y servicio
- Sincronización inalámbrica.
- Facilidad de Roaming
- Manejo simplificado de handover
- Alimentación sobre Ethernet, provee una instalación sencilla (POE)

2012
INTERNET TELEPHONY®
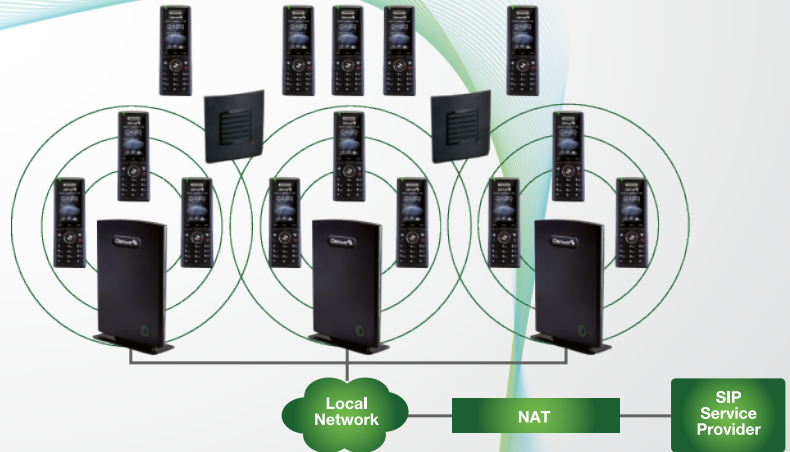**PRODUCT OF THE YEAR**

www.denwaip.com

CARACTERÍSTICAS DE SISTEMA

- DECT GAP / CAT-iq.
- Wideband Audio (HDSP) Basic and Extended.
- 12 Slot radio with up to 10 voice channels active.
    - 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 40 bases in same network.
- 200 users (200 handsets registered).
- Power over Ethernet.
- Over the Air synchronization.
- Support software download to wireless terminals.
- LED status indication.
- Compact design.
- Seamless handover.
- Repeater support.

CARACTERÍSTICAS DEL HANDSET

- Wideband Audio (G.722).
- 2'' TFT display (176x220x262k) with graphical user interface.
- Well-proven graphical MMI with wallpapers.
- Polyphonic ringtones.
- Phonebook: 200 central and 100 local entries.
- GAP and CAT-iq compliant.
- Headset connector (3.5mm).
- SW upgrade over-the-air.
- Wideband two-way speaker phone mode.
- Vibrator.

ESPECIFICACIONES TÉCNICAS

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
- 10 audio channels using G.729 (optional DSP)
- 5 CAT-iq wideband audio channels using G.722
- RFC3711 SRTP

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

ADDITIONAL FEATURES
- Repeaters supported
- Fast antenna diversity switching
- Synchronization via air interface

SYSTEM
- 200 users (200 handsets registered)
- 40 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

POWER SUPPLY
- Power over Ethernet (PoE): 36-60 V - IEEE802.3af
(Class 2)
- Max power consumption: 5W

ETHERNET
- Connector: RJ 45
- Interface to IP network: 10/100 BASE-T
IEEE802.3
- IPv6

MECHANICS
- Housing: IP20
- Dimensions: 227 x 279 x 39mm (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 In FO method
- RFC3261 compliance
- Digest/basic authentication
- RFC3263, Dn S 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