KAREL

A SIMPLE AND SECURE IP DECT SOLUTION

DE244 IP DECT HANDSET

• TFT Color display
• High quality voice
• Wide band audio
• 3,5 mm headset connector
• Local, Company, and Central phonebook
• Voice mail
• Centralized management
• Loudspeaking function
• Call list with name and number for 25 calls
• GAP/CAP compliant DECT handset
• Dynamic output power
• Vibrator
• Manual and automatic keypad lock
• 18 languages and 1 customizable

DE245 IP DECT HANDSET

• High resolution TFT Color dislay
• Wide band audio
• Bluetooth for headset
• Interactive messaging
• Push to talk (PTT)
• Loudspeaking function
• Easy registration
• Programmable soft keys & hot keys
• Multi-function button
• 3,5 mm headset connector
• Vibrator
• Enhanced DECT security
• GAP/CAP compliant DECT handset
• Dynamic output power
• Cleanable, IP 44
• 18 languages and 1 customizable

DB211 IP DECT BASE STATION

KAREL IP DECT Base Station is a sound choice for organizations looking to expand their communications capabilities all with secure DECT technology.

Internet Protocol (IP) Versatility
When connected directly to your local area network (LAN), the IP-DECT Base Station provides IP telephony, protected by the security of DECT radio communications.

Expanded Security
For greater security, the IP-DECT Base Station offers a secure radio transfer protocol (SRTP) for added confidentiality, message authentication and replay protection. SRTP is ideal for protecting voice over internet protocol (VoIP) traffic because it can be used in conjunction with header compression, without adversely affecting IP quality of service.

Excellent Signal Quality and Strength
The IP-DECT Base Station is fitted with either an internal antenna or connectors for external antennas, depending on the version installed. Multiple antennas correct radio signal fading by switching to another antenna for transmission and reception, resulting in more stable radio performance and better speech quality.

Compact and Easily Mounted
The compact design of the IP-DECT Base Station make it easy to install on a wall or pole or, if necessary, placed in a housing and mounted outdoors.

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IP-DECT Base Station Technical Specifications

Versions
- DB211 with internal antenna
- DB212 with connectors for external antennas

DECT Frequencies
- DB211/DB212 Standard for use with DECT in the 1880-1900 MHz frequencies

Compliance to European Regulations and Standards
EU directives: 2014/53/EU (RED), 2011/65/EU (RoHS)
Radio: EN 301406
Safety: EN 60950-1
EMC: EN 301 489-6, EN 301 489-1, EN 60945

Physical
Dimensions (l × w × d): 170 × 170 × 38 mm (including mounting bracket)
Weight: Approx. 400g
Material: ABS moulded plastic
Colour: White
External connectors
2 × MCX connectors for external antennas

Radio
RF output power (e.r.p.), EU: Between 23 dBm and 28 dBm (with internal antenna)
RF output power (e.r.p.), US: Between 17 dBm and 21,6 dBm (with internal antenna)

Network
Ethernet:
10/100baseT

Voice Over IP:
- H.323 version 4 incl. H.225, H.235, H.245
- H.450 with H.450.1, H.450.2, H.450.3, H.450.4, H.450.6, H.450.7, H.450.8 and H.450.9
- SIP with RFC 1889, RFC 2327, RFC 2396, RFC 2617, RFC 2782, RFC 2833, RFC 2976, RFC 3261, RFC 3262, RFC 3263, RFC 3264, RFC 3265, RFC 3311, RFC 3325, RFC 3326, RFC 3420, RFC 3515, RFC 3555, RFC 3680, RFC 3842, RFC 3891, RFC 3892, RFC 4568, RFC 3711, RFC 2246 and RFC 3280
- draft-ietf-sip-privacy
- draft-levy-sip-diversion

Voice Encoding:
- G.711 A-law / µ-law (64kbps)
- G.722.2 AMR-WB
- G.723.1 (5.3 kbps)
- G.729A and AB (16 kbps)

Power
Power over Ethernet IEEE 802.3af or local power supply
Operating voltage: 21 to 56 Vdc
Power consumption: typical 4W, maximum 5W

Environmental
Operating temperature: -10°C to +55°C
Storage temperature: -25°C to +70°C
Relative operating humidity: 15 to 90%, non condensing
Relative storage humidity: 5 to 95%, non condensing

Immunity to electromagnetic fields: 10V/m (EN61000-4-3)
Immunity to ESD: 6 kV contact discharge and 8 kV air discharge (EN61000-4-2)

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