

IP-DECT Access Point (IPBS2)

Features

- Connection to IP-PBX via LAN
- Roaming and handover
- DECT GAP/CAP radio interface
- H.323 or SIP protocol over IP
- Secure SIP over TLS and SRTP
- Over the air synchronisation
- Web interface for configuration and software upgrade
- Power over Ethernet or local power supply
- External LED status indication
- Messaging, Alarm and Interactive Messaging
- Broadcast and Multicast Messaging
- Wideband audio
- 8 or 4 simultaneous calls
- Enhanced DECT Security (ETSI TS 102 841, GAP.N.35)



Technical Specifications

Versions

IPBS2 with internal antenna

IPBS2 with external antennas

DECT frequencies

1880-1900 MHz (Europe, Africa, Middle East, Australia, New Zealand and parts of Asia)

1900-1906 MHz (Thailand)

1910-1930 MHz (South America)

1920-1930 MHz (North America)

Physical

Dimensions (l × w × d): 170 × 170 × 38 mm (including mounting bracket)

Weight: Approx. 400g

Material: ABS moulded plastic

Colour: White (NCS S 0502-B)

External connectors 2 × MCX connectors for external antennas

Power

Power over Ethernet IEEE 802.3af or local power supply

Operating voltage: 21 to 56 Vdc

Power consumption: typical 4W, maximum 5W

Network

Ethernet: 10/100baseT

Voice over IP

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 2246, RFC 2327, RFC 2396, RFC 2617, RFC 2782, RFC 2833, RFC 2976, RFC 3261, RFC 3262, RFC 3263, RFC 3264, RFC 3265, RFC 3280, RFC 3311, RFC 3323, RFC 3325, RFC 3326, RFC 3420, RFC 3515, RFC 3555, RFC 3581, RFC 3680, RFC 3711, RFC 3842, RFC 3891, RFC 3892, RFC 4028, RFC 4244, RFC 4347, RFC 4566, RFC 4568, RFC 4730, RFC 4867, RFC 4916, RFC 5245, RFC 5359, RFC 5389, RFC 5589, RFC 5764, RFC 5806 and RFC 5923 draft-ietf-sip-privacy
Voice Encoding:	G.711 A-law / μ -law (64kbps) G.723.1 (5.3 kbps) G.729A and AB (16 kbps) G.722.2 AMR-WB


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)

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)

Compliance to European regulations and standards

EU directives:	1999/5/EC (R&TTE), 2011/65/EU (RoHS)
Radio:	EN 301406
Safety:	EN 60950-1
EMC:	EN 301 489-6, EN 301 489-1, EN 60945
Product marking:	

EC Declaration of Conformity can be found at: <https://www.ascom-ws.com/doc/>

Compliance to US and Canadian regulations and standards

Safety:	CSA/UL 60950-1
EMC/Radio:	FCC part 15 (Class B), RSS-213 and ICES-003
Product marking:	FCC ID: BXZIPBS2R2A, IC:3724B-IPBS2R2A

Compliance to Australian regulations and standards

Radio:	Radiocommunications (Digital Cordless Communications Devices — DECT Devices) Standard 2007
Safety:	AS/NZS 60950-1
Product marking:	

Specifications are subject to change without notice.