

IP-DECT Access Point (IPBS2)

Features

- Connection to IP PBX via LAN
- DECT GAP/CAP radio interface
- Supports H.323 or SIP protocol over IP
- Supports secure SIP over TLS and SRTP
- Plug-and-Play installation
- On-air synchronisation
- Web interface for configuration and software upgrade
- Power over Ethernet or local power supply
- Compact lightweight design
- Easy installation in minimal space to flat or round surfaces
- External LED status indication
- Roaming and handover
- Messaging, Alarm and Interactive Messaging
- Supports Broadcast and Multicast Messaging
- Can handle 4 or 8 simultaneous calls
- Supports NTP Protocol version 4
- Supports Enhanced DECT Security (ETSI TS 102 841, GAP.N.35)



Technical Specifications

Versions

IPBS2 with internal antenna (ver. IPBS2-A3A for 8 simultaneous calls, ver. IPBS2-A5A for 4 simultaneous calls)

IPBS2 with external antennas

DECT frequencies

IPBS2 Standard for use with DECT in the 1 880-1900 MHz frequencies

IPBS2 LA (Latin America) for use with DECT in the 1910-1930 MHz frequencies

IPBS2 US (North America) for use with DECT in the 19 20-1930 MHz frequencies

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 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.723.1 (5.3 kbps) G.729A and AB (16 kbps)
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)
Supported DECT handsets	
	9d24 all variants, OfficeM, OfficeT, d41, d62, and d81
Compliance to European regulations and standards	
EU directives:	1999/5/EC (R&TTE)
Radio:	EN 301406
Safety:	EN 60950-1
EMC:	EN 301 489-6, EN 301 489-1, EN 60945
Product marking:	CE
EC Declaration of Conformity can be found at:	http://www.ascom.com/ws/products_ws.htm
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: BXZIPBS2, IC:3724B-IPBS2
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.