

IP-DECT Base Station (IPBS)

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 IEEE 802.3af 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 8 simultaneous calls



Technical Specifications

Versions

IPBS with internal antenna

IPBS with external antenna

DECT frequencies

IPBS Standard for use with DECT in the 1880-1900 MHz frequencies

IPBS Brazil for use with DECT in the 1910-1920 MHz frequencies

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

IPBS US (North America) for use with DECT in the 1920-1930 MHz frequencies

Physical

Dimensions (l × w × d): 165 × 200 × 56 mm (including mounting bracket)

Weight: 450g

Material: ABS moulded plastic

Colour: Beige

External connectors 2 × RJ45

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:	-40°C to +70°C
Relative operating humidity :	15 to 90%, non condensing
Relative storage humidity :	5 to 95%, non condensing
Immunity to electromagnetic fields:	3V/m (EN61000-4-3)
Immunity to ESD:	4 kV contact discharge and 8 kV air discharge (EN61000-4-2)

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
Product marking:	


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: BXZIPBS1, IC:3724B-IPBS1

Compliance to Australian regulations and standards

Radio:	Radiocommunications (Digital Cordless Communications Devices — DECT Devices) Standard 2007
Safety:	IEC 60950 3Ed
Product marking:	

Specifications are subject to change without notice.