

## IP-DECT Access Point (IPBS2) for Ascom

### 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
- Broadcast messaging
- Can handle 8 simultaneous calls



### Technical Specifications

#### Versions

IPBS2 with internal antenna

IPBS2 with connectors for external antennas

#### DECT frequencies

IPBS2 Standard for use with DECT in the 1880-1900 MHz frequencies

IPBS2 Brazil for use with DECT in the 1910-1920 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 1920-1930 MHz frequencies

#### 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       |

#### 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<br>H.450 with H.450.1, H.450.2, H.450.3, H.450.4, H.450.6,<br>H.450.7, H.450.8 and H.450.9<br>SIP with RFC 1889, RFC 2327, RFC 2396, RFC 2617, RFC 2782,<br>RFC 2833, RFC 2976, RFC 3261, RFC 3262, RFC 3263, RFC<br>3264, RFC 3265, RFC 3311, RFC 3325, RFC 3326, RFC 3420,<br>RFC 3515, RFC 3555, RFC 3680, RFC 3842, RFC 3891, RFC<br>3892, RFC 4568, RFC 3711, RFC 2246 and RFC 3280<br>draft-ietf-sip-privacy<br>draft-levy-sip-diversion |
| Voice Encoding: | G.711 A-law / $\mu$ -law (64kbps)<br>G.723.1 (5.3 kbps)<br>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 +55°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)   |
| 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: [http://www.ascom.com/ws/products\\_ws.htm](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:           | ACA TS028   |
| Safety:          | AS/NZS 60950-1  |
| Product marking: |  |

*Specifications are subject to change without notice.*