

# DATA SHEET



## Ascom IP-DECT Access Point (IPBS3)

### 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
- Eight or four simultaneous calls
- Enhanced DECT Security Step A and Step B (ETSI EN 300 444, N.35, N.36)

## Technical Specifications

### Versions

IPBS3-A3	IP-DECT Base Station with internal antenna
IPBS3-A4	IP-DECT Base Station with external antenna
IPBS3-A5	IP-DECT Base Station with 4 channels internal antenna
EXB-ABA <sup>1</sup>	IP-DECT EX Base Station with internal antenna

### Physical

Dimensions (l × w × d):	170 × 170 × 38 mm (including mounting bracket)
Weight:	Approx. 400 g
Material:	PC/ABS moulded plastic
Colour:	White (NCS S 0502-B)
External connectors:	2 × MCX connectors for external antennas 2 × RJ45 for local power and Ethernet/PoE

### 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

### Power

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

### Network

Ethernet:	10/100BaseT
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1. ATEX and IECEx certificates and following supplements can be found at <https://www.thuba.com/en/m/17471>

*Specifications are subject to change without notice*

## 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  RFC 2246, RFC 2396, RFC 2617, RFC 2782, RFC 2833, 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 3550, RFC 3551, RFC 3555, RFC 3578, RFC 3581, RFC 3680, RFC 3711, RFC 3842, RFC 3891, RFC 3892, RFC 4028, RFC 4235, RFC 4244, RFC 4347, RFC 4538, RFC 4566, RFC 4568, RFC 4730, RFC 4867, RFC 4916, RFC 5245, RFC 5359, RFC 5373, RFC 5389, RFC 5589, RFC 5761, RFC 5763, RFC 5764, RFC 5766, RFC 5806, RFC 5923, RFC 6086, RFC 6188, RFC 7983  draft-ietf-sip-privacy
Voice encoding:	G.711 A-law / $\mu$ -law (64 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
Enclosure protection:	IP30
Immunity to electromagnetic fields:	10 V/m (EN 61000-4-3)
Immunity to ESD:	6 kV contact discharge and 8 kV air discharge (EN 61000-4-2)


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## Compliance to Regulations and Standards


### Compliance to European Regulations and Standards

Product marking:	 
Directives and regulations:	Directive 2014/53/EU (RED) Directive 2015/863 (RoHS) amending 2011/65/EU Packaging and packaging waste regulation 2025/40 Cybersecurity Regulation (EU) 2022/30 amending RED Directive 2014/53/EU
Radio:	EN 301406
Safety:	EN 62368-1
EMC:	EN 301489-6, EN 301489-1, EN 60945, EN 55032
Cybersecurity:	EN 18031-1, EN 18031-2

### Compliance with US and Canadian Regulations and Standards

Product marking:	 FCC ID: BXZIPBS3R2A IC: 3724B-IPBS3R2A
Safety:	CAN/CSA-C22.2 No 62368-1 UL 62368-1
EMC/Radio:	FCC part 15 (Class D) RSS-213

### Compliance to Australian Regulations and Standards

Product marking:	
Safety:	AS/NZS 62368-1
Radio:	Radiocommunications (Digital Cordless Communications Devices – DECT Devices) Standard 2017

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