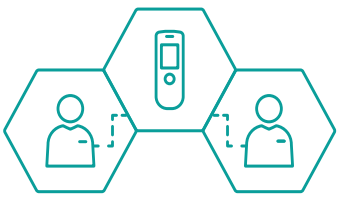
Ascom IP-DECT Access Point – A simple and secure IP-telephony solution

The Ascom IP-DECT Access Point is a sound choice for organizations looking to expand their communications capabilities with interactive messaging, broadcast messaging and alarm notification - all with secure DECT technology.



Internet Protocol (IP) versatility
When connected directly to your local area network (LAN), the IP-DECT access point provides IP telephony, protected by the security of DECT radiocommunications.

Expanded security
For greater security, the IP-DECT access point offers a secure radio transfer protocol (SRTP) for added confidentiality, message authentication and replay protection. SRTP is ideal for protecting voice over internet protocol (VoIP) traffic because it can be used in conjunction with header compression, without adversely affecting IP quality of service.

Excellent signal quality and strength
The IP-DECT access point is fitted with either an internal antenna or connectors for external antennas, depending on the version installed. Multiple antennas correct radio signal fading by switching to another antenna for transmission and reception, resulting in more stable radio performance and better speech quality.

Flexible and adaptive functionality
The IP-DECT access points feature nine channels with which to handle calls, messaging and alarms; however, one channel is dedicated to alarms to make sure that alarms are always transmitted. Handsets are configured, and their software upgraded, centrally and over-the-air (OTA) via a web-based interface.

Compact and easily mounted
The compact design of the IP-DECT access point make it easy to install on a wall or pole or, if necessary, placed in a housing and mounted outdoors.

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Ascom IP-DECT Access Point

- DECT GAP/CAP radio interface
- Connects to IP-PBX via LAN
- Nine channels for calls, messaging and alarms
- One channel dedicated for alarms
- Over-the-air synchronization (OTA)

IP-DECT ACCESS POINT TECHNICAL SPECIFICATIONS:

Versions
- IPBS3 with internal antenna
- IPBS3 with connectors for external antennas

DECT frequencies
- IPBS3 1880-1900 MHz (Europe, Africa, Middle East, Australia, New Zealand and parts of Asia)
- IPBS3 1900-1906 MHZ (Thailand)
- IPBS3 1910-1930 MHz (South America)
- IPBS3 1920-1930 MHz (North America)

Compliance to European regulations and standards
EU directives: 2014/53/EU (RED) 2015/863 (RoHS3) 2011/65/EU (RoHS)

Radio: EN 301 406

Safety: EN 62368-1

EU Declaration of Conformity can be found at: http://www.ascom-ws.com/doc/

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

Weight: Approx. 400g/14.11oz.

Material: PC/ABS moulded plastic

Colour: White

External connectors: 2 × MCX connectors for external antennas
2 × RJ45 for local power and Ethernet/PoE

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 21,6dBm (with internal antenna)

Network
Ethernet: 10/100baseT

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 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 / µ-law (64 kbps)
- G.722.2 AMR-WB
- G.729 A and AB (16kbps)

Compliance to US and Canadian regulations and standards
Safety: CAN/CSA-C22.2 No 62368-1 UL 62368-1

EMC/Radio: FCC part 15 (Class B and D) RSS-213 ICES-003

Product marking: FCC ID: BXZIPBS3 IC: 3724B-IPBS3

Compliance to Australian regulations and standards
Radio: Radiocommunications (Digital Cordless Communications Devices – DECT Devices) Standard 2017

Safety: AS/NZS 62368-1

Product marking:

Power
Power over Ethernet IEEE 802.3af or local power supply

Operating voltage: 21 to 56 VDC

Power consumption: typical 4W, maximum 5W

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: 10 V/m (EN 61000-4-3)

Immunity to ESD: 6 kV contact discharge and 8 kV air discharge (EN 61000-4-2)

To learn more about how a customized Ascom solution can improve your enterprise visit **www.ascom.com**.

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