

PRODUCT SHEET

Product: 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)

Minimal space requirements



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 radio communications.

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.

PRODUCT SHEET: IP-DECT ACCESS POINT

IP-DECT access point Technical Specifications		
Versions <ul style="list-style-type: none"> IPBS2 with internal antenna IPBS2 with connectors for external antennas 	DECT frequencies <ul style="list-style-type: none"> 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 	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
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 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) Network Ethernet: 10/100baseT	Voice over IP Voice over IP: <ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> G.711 A-law / μ-law (64kbps) G.723.1 (5.3 kbps) G.729A and AB (16 kbps) G.726 (32 kbps) 	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:
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 +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)	

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