

[ PRODUCT SHEET ]

<b>Product:</b>	Ascom IP-DECT access point
	DECT GAP/CAP radio interface
	Connects to IP-PBX via LAN
	Nine channels for calls, max eight simultaneously, 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, max eight simultaneously, 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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IP-DECT access point Technical Specifications		
<p><b>Versions</b></p> <ul style="list-style-type: none"> <li>IPBS2 with internal antenna</li> <li>IPBS2 with connectors for external antennas</li> </ul>	<p><b>DECT frequencies</b></p> <ul style="list-style-type: none"> <li>IPBS2 Standard for use with DECT in the 1880-1900 MHz frequencies</li> <li>IPBS2 Brazil for use with DECT in the 1910-1920 MHz frequencies</li> <li>IPBS2 LA (Latin America) for use with DECT in the 1910-1930 MHz frequencies</li> <li>IPBS2 US (North America) for use with DECT in the 1920-1930 MHz frequencies</li> </ul>	<p><b>Compliance to European regulations and standards</b></p> <p><b>EU directives:</b> 1999/5/EC (R&amp;TTE)</p> <p><b>Radio:</b> EN 301406</p> <p><b>Safety:</b> EN 60950-1</p> <p><b>EMC:</b> EN 301 489-6, EN 301 489-1, EN 60945</p> <p><b>Product marking:</b> </p> <p><b>EC Declaration of Conformity can be found at:</b> <a href="http://www.ascom.com/ws/products_ws.htm">http://www.ascom.com/ws/products_ws.htm</a></p>
<p><b>Physical</b></p> <p><b>Dimensions (l × w × d):</b> 170 × 170 × 38 mm (including mounting bracket)</p> <p><b>Weight:</b> Approx. 400g</p> <p><b>Material:</b> ABS moulded plastic</p> <p><b>Colour:</b> White</p> <p><b>External connectors</b></p> <p>2 × MCX connectors for external antennas</p> <p><b>Radio</b></p> <p><b>RF output power (e.r.p.), EU:</b> Between 23 dBm and 28 dBm (with internal antenna)</p> <p><b>RF output power (e.r.p.), US:</b> Between 17 dBm and 21,6 dBm (with internal antenna)</p> <p><b>Network</b></p> <p><b>Ethernet:</b> 10/100baseT</p>	<p><b>Voice over IP</b></p> <p><b>Voice over IP:</b></p> <ul style="list-style-type: none"> <li>H.323 version 4 incl. H.225, H.235, H.245</li> <li>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</li> <li>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</li> <li>draft-ietf-sip-privacy</li> <li>draft-levy-sip-diversion</li> </ul> <p><b>Voice Encoding:</b></p> <ul style="list-style-type: none"> <li>G.711 A-law / μ-law (64kbps)</li> <li>G.723.1 (5.3 kbps)</li> <li>G.729A and AB (16 kbps)</li> <li>G.726 (32 kbps)</li> </ul>	<p><b>Compliance to US and Canadian regulations and standards</b></p> <p><b>Safety:</b> CSA/UL 60950-1</p> <p><b>EMC/Radio:</b> FCC part 15 (Class B), RSS-213 and ICES-003</p> <p><b>Product marking:</b> FCC ID: BXZIPBS2, IC:3724B-IPBS2</p> <p><b>Compliance to Australian regulations and standards</b></p> <p><b>Radio:</b> ACA TS028</p> <p><b>Safety:</b> AS/NZS 60950-1</p> <p><b>Product marking:</b> </p>
<p><b>Power</b></p> <p>Power over Ethernet IEEE 802.3af or local power supply</p> <p><b>Operating voltage:</b> 21 to 56 Vdc</p> <p><b>Power consumption:</b> typical 4W, maximum 5W</p>	<p><b>Environmental</b></p> <p><b>Operating temperature:</b> -10°C to +55°C</p> <p><b>Storage temperature:</b> -25°C to +55°C</p> <p><b>Relative operating humidity:</b> 15 to 90%, non condensing</p> <p><b>Relative storage humidity:</b> 5 to 95%, non condensing</p> <p><b>Immunity to electromagnetic fields:</b> 10V/m (EN61000-4-3)</p> <p><b>Immunity to ESD:</b> 6 kV contact discharge and 8 kV air discharge (EN61000-4-2)</p>	

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