

IP-DECT Gateway (IPBL)



Features

- Supports Broadcast and Multicast Messaging
- Connection to IP-PBX via Ethernet
- Gateway between DECT and VoIP (H.323 and SIP)
- Connection of up to 16 TDM-DECT base stations (communication and power supply)
- Synchronization between IP-DECT base stations and IP-DECT gateways
- Web based management
- Easy to install in a standard 19" rack (height: 1u)
- 110/230 VAC or 48V DC power supply
- Can handle 40 simultaneous calls
- Supports NTP Protocol version 4
- Supports Enhanced DECT Security (ETSI TS 102 841, GAP.N.35)

Technical Specifications

Versions

- IPBL IP-DECT Gateway VAC/VDC (110/230VAC / 48VDC)
- IPBL IP-DECT Gateway VDC (48VDC)

Physical

Dimensions (h x w x d):	43,6 x 483 x 352 mm
Weight:	4,7 kg
Material:	Steel
Color:	Beige
External connectors	2 x RJ45, 10BASE-T/100BASE-T Ethernet interface 2 x RJ45, Sync Ring I/O interface 2 x RJ45, Reference Sync I/O interface 16 x RJ45, ISDN U _{PN} DECT base stations interface

Power

Operating voltage:	110/230 VAC (100 - 240 VAC) 48 VDC (42 - 56 VDC)
Power consumption:	Max 210 W (VAC) Max 250 W (VDC)
Power dissipation:	Approx. 15 W

Network

Ethernet:	2 x 10/100baseT
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DECT Base Station

Maximum distance between the IPBL and a TDM-DECT base station is 1500 m.

Supported TDM-DECT base stations:

- DB1
- BS330
- BS340
- KRCNB 301 03
- KRCNB 301 04
- KRCNB 302 01
- KRCNB 201 03 (Does not support Broadcast and Multicast messaging)

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
- 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 and RFC 3892
- draft-ietf-sip-privacy
- draft-levy-sip-diversion

Voice Encoding:

- G.711 A-law / μ -law (64kbps)
- G.723.1 (5.3 kbps)
- G.729A and AB (8 kbps)

Environmental

Operating temperature: 0°C to +40°C

Storage temperature: -40°C to +85°C

Relative operating humidity : 15 to 90%, non condensing

Relative storage humidity : 5 to 95%, non condensing

Immunity to electromagnetic fields: 10 V/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)

Safety: EN 60950-1

EMC: EN 301489-1 and EN 301489-6

Product marking: 

EC Declaration of Conformity can be found at:

http://www.ascom.com/ws/products_ws.htm

Compliance to US and Canadian regulations and standards

Safety: CSA/UL 60950-1

EMC: FCC Part 15 (Class B) and ICES-003.

Compliance to Australian regulations and standards

Safety: IEC 60950-1

Product marking: 

Specifications are subject to change without notice.