

## IP-DECT Gateway (IPBL)



### Features

- Connection to IP-PBX via Ethernet
- Gateway between DECT and VoIP (H.323 and SIP)
- Connection of up to 16 legacy 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 48VDC power supply
- Can handle 40 simultaneous calls

### 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
Colour:	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 <sub>PN</sub> 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 DECT Base Station is 1500 m.

Supported DECT base station: BS330  
BS340  
KRCNB 301 03  
KRCNB 301 04  
KRCNB 302 01  
KRCNB 201 03

### **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 /  $\mu$ -law (64kbps)  
G.723.1 (5.3 kbps)  
G.729A and AB (8 kbps)  
G.726 (32 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  
Radio: TBR10 and TBR22  
EMC: EN 300386-2, EN 301489-1, EN 301489-6, EN 61000-3-2,  
EN 61000-3-3, EN 61000-4-11 and EN 61000-4-29

Product marking: 

EC Declaration of Conformity can be found at:  
[http://www.ascom.com/ws/products\\_ws.htm](http://www.ascom.com/ws/products_ws.htm)

### **Compliance to US and Canadian regulations and standards**

Safety: CSA/UL 60950-1  
EMC/Radio: FCC Part 15 (Class B) and ICES-003.

### **Compliance to Australian regulations and standards**

Safety: IEC 60950-1  
Radio: ACA TS 028  
Product marking: 

*Specifications are subject to change without notice.*