

PRELIMINARY

IP-DECT Base Station (IBS1)

Features

- Connection to IP PBX via LAN
- DECT GAP/CAP radio interface
- Supports H.323 protocol over IP
- Plug-and-Play installation
- On-air synchronisation
- Web interface for configuration and software upgrade
- Power over Ethernet or local power supply
- Compact lightweight design
- Easy installation in minimal space to flat or round surfaces
- External LED status indication
- Roaming and handover
- Messaging, Alarm and Interactive Messaging
- Broadcast messaging
- Can handle 8 simultaneous calls



Technical Specifications

Versions

IPBS Standard for use with DECT in the 1880-1900 MHz frequencies

IPBS LA (Latin America) for use with DECT in the 1910-1930 MHz frequencies

IPBS US (North America) for use with DECT in the 1920-1930 MHz frequencies

Physical

Dimensions (l x w x d):	165 x 200 x 56 mm (including mounting bracket)
Weight:	450g
Material:	ABS moulded plastic
Colour:	Beige
External connectors	2 x RJ45

Power

Power over Ethernet IEEE 802.3af or local power supply	
Operating voltage:	21 to 56 Vdc
Power consumption:	typical 3W, maximum 5W

Radio

DECT standard:	EN 301 406:2001 (DECT) EN 300 444:2001 (TBR22 GAP)
Antenna:	Internal

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Network

Ethernet: 10/100baseT

Voice over IP

Voice over IP: H. 323 version 4 incl. H.225, H235, H.245 and H.450.

Voice Encoding: G.711 A-law / μ -law (64kbps)
G.723.1 (5.3 and 6.3 kbps)
G.729A (16 kbps)

Environmental

Operating temperature: -10°C to +55°C

Storage temperature: -40°C to +70°C

Relative operating humidity : 15 to 90%, non condensing

Relative storage humidity : 5 to 95%, non condensing

Immunity to electromagnetic fields: 5V/m (EN61000-4-3)

Immunity to ESD: 4 kV contact discharge and 8 kV air discharge (EN61000-4-2)

Options

Available with external antenna - IBS2

Compliance to European regulations and standards

EU directives: 95/5/EEC, Radio and telecommunications terminal equipment Directive
73/23/EEC, Low Voltage Directive
89/336/EEC and 92/31/EEC, Electromagnetic Compatibility Directive (EMC)
93/68/EEC, CE Marking Directive

Product marking:



DECT: EN301406:2001, EN 300444:2001

SAR (Specific Absorption Rate): EN50385:2002

Safety: IEN 60950:2001 class III

EMC: EN 301 489-6:2002

Compliance to other regulations and standards

FCC approval (USA): FCC part 15

DECT standard (AUS): ACA TS028

Product marking (AUS):



Safety: IEC60950:2001

Specifications are subject to change without notice.