



Aastra SIP DECT Base Station

» Flexible and reliable

The Aastra SIP DECT system is designed to enable voice traffic, messaging and alarm handling between Aastra cordless DECT handsets and Aastra IP-PBX systems via corporate LANs. The SIP DECT system is the optimal solution for a small site or branch office and provides secure, high quality, dynamic office communications. Voice and messaging come together over a single converged network that requires minimal installation space, cabling and maintenance. SIP DECT Base Station integrates best-in-class components to ensure that you are equipped with superior voice quality communications, seamless handover and all the practical features that ensure first-rate performance.

SIP DECT enables offices to optimize their IT investments. New services and capabilities can be easily implemented so that you can capitalize on the latest technological advances. The time and resources spent on moving, adding and changing of DECT base stations are greatly reduced thanks to an easy-to-use web GUI, as well as the fact that a converged network solution means fewer components and greatly reduced system costs.

Here's how you benefit:

- Minimum installation and maintenance
- Full roaming capabilities between SIP DECT sites
- Superior voice quality
- Future-proof communications investment
- Easy installation
- Supports distributed architecture
- Reliable and configurable redundant system
- Compact lightweight design

Features

- Connection to IP PBX via LAN
- Uses SIP protocol
- DECT GAP/CAP radio interface
- Seamless roaming and handover
- Configuration and software upgrade via web interface
- Power over Ethernet (PoE) or local power supply
- External LED status indication
- Over-the-air synchronization
- SMS text messaging and alarm (Integrated Message Server)
- Supports 8 simultaneous calls per base station

IPBS = SIP DECT Base Station

Technical Specifications

Versions

IPBS with internal antenna

IPBS with external antenna

DECT Frequencies (configured in web interface for base station)

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

(L x W x D): 165 x 200 x 56 mm (including mounting bracket)

Weight: 450 g

Material: ABS molded plastic

Color: Beige

External connectors: 2 x RJ45

Power

Power over Ethernet (PoE) IEEE 802.3af or local power supply

Operating voltage: 21 to 56 VDC

Power consumption: 4W typical, maximum 5W

Network

Ethernet: 10/100baseT

VLAN tagging: IEEE 802.1q

Voice over IP (IPBS-PBX)

Voice over IP: SIP version 2 incl. RFC3261 and RFC2327

Voice encoding:	G.711 A-law/ μ -law (64kbps) G.729A and AB (16 kbps) G.726 (32 kbps)
Quality of Service (QoS)	IEEE 802.1p and DiffServ

Radio

RF output power (ERP), EU	Between 23 dBm and 28 dBm (IPBS with internal antenna) Between 20 dBm and 25 dBm (IPBS with external antenna)
RF output power (ERP), US	Between 17 dBm and 21,6 dBm (IPBS with internal antenna)

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)

Compliance with European regulations and standards

EU directives:	1999/5/EEC, Radio and Telecommunications Terminal Equipment Directive (R&TTE)
DECT:	EN 301406, TBR22
Safety:	EN 60950-1
EMC:	EN 301 489-6
Product marking	CE

Compliance with US regulations and standards

Safety:	UL 60950-1
EMC/Radio:	FCC part 15 (Class B) and RSS-213
Product marking:	FCC ID: BXZIPBS1

Compliance with Australian regulations and standards

Radio:	ACA TS028
Safety:	AS/NZS 60950-1
Product marking:	

Supporting PBX system

MX-ONE™ 3.2

System size

MX-ONE™ 3.2 An SIP DECT system supports a maximum of 1000 DECT handsets due to the SIP DECT master being registered to one LIM

