

TDM-DECT Base Station (DB1)

Features

- Roaming and handover
- DECT GAP/CAP radio interface
- Messaging, Alarm and Interactive Messaging
- Broadcast and Multicast Messaging
- Non-blocked alarm channels
- Connection to PBX or IPBL via 2 twisted pairs
- Power locally, or centrally via 2 data pairs (UTP) and 1 optional pair
- Low power consumption
- Distances between the telephone system and base stations up to 1,5 km.
- Easy software upgrade
- External LED status indication
- 8 simultaneous calls



Technical Specifications

Versions

- DB1 with internal antenna
- DB1 with external antennas

DECT frequencies

- 1880-1900 MHz (Europe, Africa, Middle East, Australia, New Zealand and parts of Asia)
- 1900-1906 MHz (Thailand)
- 1910-1930 MHz (South America)
- 1920-1930 MHz (North America)

Physical

Dimensions (l × w × d):	170 × 170 × 38 mm (including mounting bracket)
Weight:	Approx. 400g
Material:	ABS moulded plastic
Colour:	White (NCS S 0502-B)
External connectors	2 × MCX connectors for external antennas

Power

Power	Locally, or centrally via 2 data pairs (UTP) and 1 optional pair
Operating voltage:	21 to 56 Vdc
Power consumption:	1.3 W to 2.0 W depending on number of slots currently in use.


Radio

RF output power (e.r.p.), EU: Between 23 dBm and 28 dBm (with internal antenna)
RF output power (e.r.p.), US: Between 17 dBm and 21,6 dBm (with internal antenna)

Environmental

Operating temperature: -10°C to +55°C
Storage temperature: -25°C to +70°C
Relative operating humidity : 15 to 90%, non condensing
Relative storage humidity : 5 to 95%, non condensing
Immunity to electromagnetic fields: 10V/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: 2014/53/EU (RED), 2011/65/EU (RoHS)
Radio: EN 301406
Safety: EN 60950-1
EMC: EN 301 489-6, EN 301 489-1, EN 60945
Product marking: 

EC Declaration of Conformity can be found at: <https://www.ascom-ws.com/doc/>

Compliance to US and Canadian regulations and standards

Safety: CSA/UL 60950-1
EMC/Radio: FCC part 15 (Class B), RSS-213 and ICES-003
Product marking: FCC ID: BXZDB1R2A, IC:3724B-DB1R2A

Compliance to Australian regulations and standards

Radio: Radiocommunications (Digital Cordless Communications Devices — DECT Devices) Standard 2007
Safety: AS/NZS 60950-1
Product marking: 

Specifications are subject to change without notice.