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 301 406
Safety: EN 60950-1
EMC: EN 301 489-6, EN 301 489-1, EN 60945
Product marking: CE

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
Safety: AS/NZS 60950-1
Product marking: △

Specifications are subject to change without notice.