

DATA SHEET



TDM-DECT Base Station (DB1) DS

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 two twisted pairs
- Power locally, or centrally via two data pairs (UTP) and one optional pair
- Low power consumption
- Distance 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. 400 g
Material:	ABS moulded plastic
Color:	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 V DC
Power consumption:	1.3 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 17dBm 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
Enclosure protection:	IP30
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)


Specifications are subject to change without notice

Compliance to Regulations and Standards


Compliance to European Regulations and Standards

Product marking:	
EU directives and regulations:	2014/53/EU (RED) 2015/863 amending Directive 2011/65/EU (RoHS)
UK directives and regulations:	Radio Equipment Regulations 2017 The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
Radio:	EN 301406
Safety:	EN 62368-1
EMC:	EN 301 489-6, EN 301 489-1, EN 60945

Compliance to US and Canadian Regulations and Standards

Product marking:	 FCC ID: BXZDB1R2A IC: 3724B-DB1R2A
Safety:	CSA/UL 62368-1
EMC/Radio:	FCC part 15, RSS-213 and ICES-003

Compliance to Australian Regulations and Standards

Product marking:	
Safety:	AS/NZS 62368-1
Radio:	Radiocommunications (Digital Cordless Communications Devices — DECT Devices) Standard 2017

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

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