

Base station, BS340



The BS340 can be characterized as a compact, lightweight and easy to install DECT base station. It comes with two external antennas that provide a spherical coverage pattern.

Ericsson's BS340 base station is compatible with all new and existing DECT systems, including those for MD110 and BusinessPhone cordless solutions.

The BS340 provides high-quality DECT coverage for business applications and is fully software upgradable as well as GAP/CAP-compatible. Optimized for indoor use, the base station is

designed as a single compact unit. It is small, light and makes mounting easy in almost any location.

The possibility of mounting other antenna types like high gain omnidirectional or directional antennas increases coverage for special application areas.

Versions

NTM/KRCNB 302 01/1 for use with Ericsson DECT 1880-1900 MHz GAP/CAP systems

Features

- DECT radio interface
- Can handle 8 simultaneous calls
- Connection to PBX or radio exchange via 2 twisted pairs
- Powering via data lines and optionally extra lines
- Low power consumption
- Distances between the telephone system and base stations of up to 1.9 km
- Easy software upgrade
- External antennas
- External LED status indication
- Compact lightweight design
- Easy installation in minimal space

Technical Specifications

Physical

Dimensions: 200 (w) x 165 (d) x 56 (h) mm

Weight: 496 grams (incl. standard external antennas)

Colour: light grey

Size standard antenna: 107 (l) x 8.5 (d) mm

Weight standard antenna set: 17 grams

Antenna connectors: MCX SMT type female receptacle from Amphenol (KJ-MCX625100-002-3GT30G-50; gold plated)

Material: ABS moulded plastic

Environmental

Operating temperature: -10 to +55°C

Storage temperature: -40 to +70°C

Relative operating humidity: 15 to 90%, non condensing

Relative storage humidity: 5 to 95%, non condensing

Functional

Operating voltage: 21 to 56 Vdc

Power consumption: typical 3 W maximum 5 W

RF output power (e.r.p.): between 19 dBm and 24 dBm

Receiver sensitivity: at least -86 dBm at B.E.R. = 10⁻³

Connectors: two RJ45 connectors for data/power, one RJ12 connector for factory testing purposes.

Proprietary interface between base station and telephone system.

Radio coverage with external omnidirectional antenna depends on propagation characteristics and varies between 20m and 300m.

External antennas

Connector at RG316 coaxial cable : MCX straight crimp male plug from Amphenol (919-101P-51S1X; gold plated)

Only use the following external antennas:

Directional single antenna:
NTM/KRENB 101 118/1

Omnidirectional single antenna:
NTM/KRENB 101 119/1

Directional dual antenna:
NTM/KRENB 101 121/1

Compliance to European regulations and standards

CE regulation: 1999/5/EC, Radio & Telecommunications Terminal Directive R&TTE

73/23/EEC, Low Voltage Directive

89/336/EEC, Electromagnetic Compatibility Directive (EMC)

CE marking: CE 0344

DECT standard: TBR6:1999

Safety standard: EN 60950:1992;A1, A2, A3, A4 + A11, IEC 60950:1991;A1 - A4

EMC standard: ETS 300 329 06:1997

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