

RFP 47 DRC

An outdoor DECT base station that delivers wide and reliable connectivity in challenging environments.

Key Features

- Complete pre-assembled kit with an RFP47 and directional antenna
- IP66 rated outdoor housing
- Ideal for elevator shafts, parking lots, and construction tunnels
- 8 simultaneous voice channel support



The RFP 47 DRC is a powerful base station specifically designed for outdoor use and industrial environments. This base station comes pre-fitted with an IP66 rated external housing cover to withstand the harsh elements. This base station is fitted with a directional antenna for targeted connectivity in specific areas.

Directional Antennas

Pre-installed with a directional antenna for targeted connectivity.

Improved Design and Handling

Unobtrusive design that adapts well for discreet set ups. The mounting bracket can be separated for independent installations and replacements on walls and ceilings.

Outdoor Friendly

Comes pre-fitted in IP 66 rated external housing for protection in dusty and wet environments for uninterrupted communication.

Enhanced Audio

Carries 8 wideband voice channels simultaneously for clear, high quality, multi-user communication.

GENERAL INFORMATION

- Requires SIP-DECT 8.0 software or higher
- Replaces the RFP37 DRC
- Centralized DECT & SIP configuration, clustering administration via separate Open Mobility Manager (OMM) provisioning software
- Simplified Licensing. No base-station licenses required for up to 5 base-station deployments
- Supports Messaging and Alarms

DECT FEATURES

- All DECT channels supported for maximum use of the DECT capacity (120 duplex channels in EMEA, 50 in US/CAN)
- 12 channel base station with support for 8 simultaneous voice channels per RFP and 4 channels for switching purposes
- GAP standard supported
- Handover and Roaming support
- DSAA authentication between base and handset
- Support of DECT encryption
- Integrated DECT dipole antenna
- Supports Enhanced DECT security
- DECT XQ technology for minimization of interferences in reflecting environments
- Supports Over-the-Air DECT Handset software upgrades
- Supports Over-the-Air Synchronization

INSTALLATION

- Supports wall-mount & ceiling-mount
- Powered via IEEE 802.3af (Class 2)

NETWORKING

- 1 x IEEE 802.3 10/100BaseT
- 802.3af Power-over-Ethernet (Class 2)
- VLAN Support
- 802.1x Support
- QoS supported by Diffserv / ToS
- NTP time synchronization support

VOIP

- Connect to IP PBX via LAN
- SIP protocol support per RFC 3261
- Secure SIP over TLS, SRTP
- G.711, G.722, G.729ab1 codecs support
- Adaptive jitter compensation
- Echo cancellation / suppression
- Voice Activity Detection
- Comfort Noise Generation

TECHNICAL DATA

- Colour: Light Grey
- Dimensions (W x H x D):
 - 280 x 380 x 130 mm
- Weight: 3275g
- Material: Polycarbonate
- Connectors:
 - 1 x RJ45 Ethernet Jack
- MTBF Rate: 40 years
- Operating Voltage: 37 VDC min and 57 VDC max
- Current consumption: 85 mA at 55 VDC
- Type of ingress protection: IP66
- Flame resistance UL94 V0
- DECT Frequencies
 - Europe, Middle East,
 - Australia, New Zealand
 - North America
 - South America

ENVIRONMENTAL

- **Enclosure Ratings:**
 - *Ingress Protection (EN 60529): IP66*
 - *Impact Resistance (EN 62262): IK08/IK09*
 - *Electrical insulation: Totally insulated*
 - *Halogen free (DIN/VDE 0472, Part 815): 1*
 - *UV resistance: UL 508*
 - *Flammability Rating: UL 746C 5"*
 - *Glow Wire Test (IEC 695-2-1) °C: 960*
 - *NEMA Class: NEMA 4X*
- **RFP Operational:**
 - *Temperature -10°C to +45°C*
 - *Humidity 34% at +45°C*
 - *Humidity 95% at +29°C*
- **Storage:**
 - *Temperature -40°C to +70°C*
 - *Humidity 15% at +70°C*
 - *Humidity 95% at +29°C*
- **Ambient temperature:**
 - *-10°C to +45°C*

REGULATORY STANDARDS

EMC/RADIO

- **Canada:**
 - *ICES-003 (Class B)*
 - *RSS-GEN*
 - *RSS-213 (DECT)*
- **USA: CFR Title 47, Part 15 (Class B)**
 - *FCC Part 15 Subpart C*
 - *(DECT) FCC Part 15 Subpart D*
- **European Union:**
 - *2014/53/EU (RED)*
 - *2011/65/EU (RoHS)*
 - *EN 301 489-1, 6*
 - *EN 301 406*
 - *EN 50385*
 - *EN 60945 :2002 (Clause 1C, EMC only)*

- **Australia / New Zealand:**
 - *AS/NZS 4771*

SAFETY

- **Canada: CAN/CSA C22.2 NO. 60950-1**
- **USA: UL 60950-1**
- **European Union: EN 60950-1**
- **Australia/New Zealand: AS/NZS 60950-1**

INCLUDED IN THE BOX

- *Outdoor Enclosure with mounting bracket*
- *RFP 47 IP Base Station*
- *Directional Antenna and connectors*
- *Installation & regulatory documents*

PART NUMBERS

Model	Part Number
RFP 47 DRC	50006975