

RFP4 1G9



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1 Introduction

KIRK Base Stations

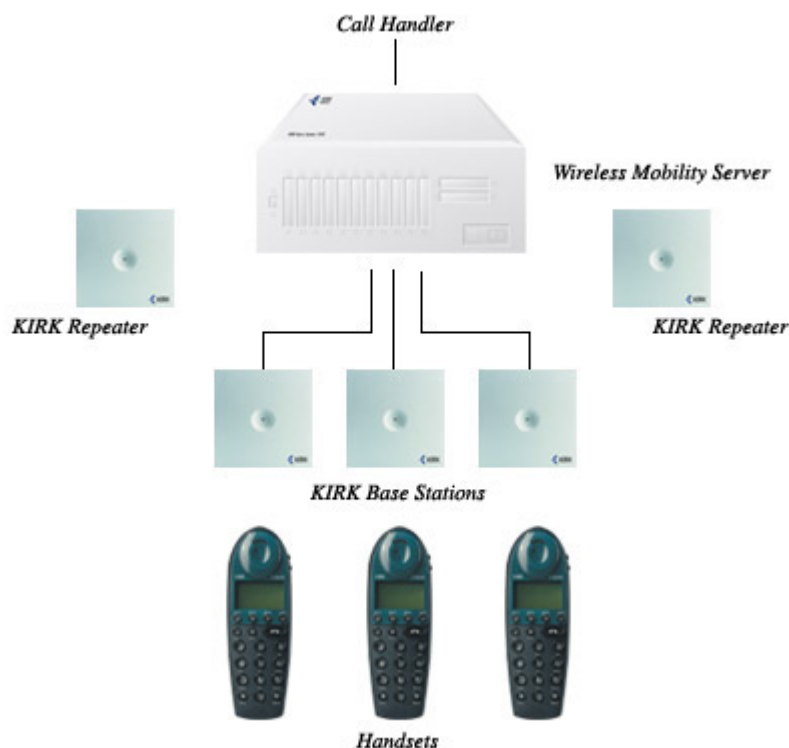
The KIRK Base Station controls the traffic channels in the air and works as link between the KIRK Handset and the KIRK Wireless Server 1500. The KIRK Wireless Server operates the KIRK Base Stations through a wired standard twisted pair of cables. Only one pair is required per KIRK Base Station and the cable length may be up to 2.000 meters.

Each KIRK Base Station covers a circular area of between 50 and 600 meters. It is not possible to define a more exact size of a KIRK Base Station coverage area, as it depends on location specifics such as building materials etc. Before a KIRK solution is installed, careful deployment is performed in order to define how many KIRK Base Stations are needed to provide the necessary coverage at each individual location.

Features of the KIRK Base Station 1,9 GHz :

- 5 RF channels
- 4 simultaneous traffic channels (32 Kbit/s)
- Antenna diversity
- Frame synchronizing via the KIRK Wireless Server
- Fast and easy installation - two wired twisted pair of cables connection to the KIRK Wireless Server
- No external power required - powered from the KIRK Wireless Server directly
- Weight: 0,172 kg.
- Dimensions (L x H x D): 100 x 100 x 36 mm

KIRK Wireless Server 1500



2 General circuit description

3 Base band sektion

4 RF Sektion

5 Antenna section