

# Polycom® KIRK® IP Base Station

The KIRK IP Base Station handles call signalling from the KIRK Wireless Server 6000 over the air to the KIRK Handsets.

The Polycom® KIRK® IP Base Station that has 12 simultaneous traffic channels (32 Kbit/s), controls the traffic in the air and works as the link between the KIRK Handsets and the KIRK Wireless Server 6000.

The KIRK Wireless Server 6000 operates the KIRK IP Base Stations through standard Ethernet PoE LAN cables (CAT5 or better). The KIRK IP Base Station does not require external power supply, as it is powered by the PoE enabled LAN network.

Each KIRK IP Base Station covers a circular area between 50 and 600 meters in diameter. Before installation, the location needs to be assessed in order to define the number of KIRK IP Base Stations required to achieve the desired coverage, as coverage depends on location specifics such as building materials.



## Polycom® KIRK® IP Base Station Specifications

### Network and Provisioning

- 10/100Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization from KIRK Wireless Server 6000
- Event logging
- LED status indication

### Radio Interface

- Full slot DECT RF part (12 channels)
- RF Output 20 to 24 dBm at antenna connection
- Sensitivity: typical -90 dBm measured at antenna connection at BER =0.001
- Typical range:
  - Indoor: 20-50 m. / 65.6 -164 ft.
  - Outdoor 300 m. / 984.3 ft.

### Electro Magnetic Compatibility

#### Approvals (Regulatory Standards)

- EN 301 489-1
- EN 301 489-6
- FCC RULES, FCC PART15, SubpartD; RSS-213
- IC Rules RSS213 Issue 2

#### Safety (Regulatory Standards)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- EN 60950-1

#### DECT Approval

- EN 301 406

#### Electrical Requirements

- Power over Ethernet (IEEE 802.3af)
- PoE Class 1 device
- Typical power consumption: 1W per unit

### Environmental Conditions

- Operating temperature: 10 - 40 °C / 50 - 104 °F
- Storage temperature: -50 - 70 °C / -58 - 158 °F
- Relative humidity: between 20 % and 80 % (non-condensing)
- The equipment is in compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

### Physical Characteristics

- Size: 100 x 100 x 38 mm. / 3.9 x 1.2 x 3.9 in.
- Weight: 120 gr. / 4.2 oz.
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor

### Availability

The KIRK IP Base Station is globally available, and is regulatory certified for frequency bands used in North America, Europe, and Australia.