

# ▶ Polycom® KIRK® Wireless Server 6000

## DECT Wireless Telephony for Medium to Large Businesses

For radio coverage over a large geographical area or to equip a large number of mobile employees with wireless telephony - or both - the Polycom KIRK Wireless Server 6000 IP DECT solution is an excellent choice.

### Cost-Effective Business Wireless

The Polycom® KIRK® Wireless Server 6000 solution consists of a number of different infrastructure elements, which can be joined to combine a wireless solution customized to the exact needs of the individual customer in medium-sized and large businesses.

The infrastructure elements of the KIRK Wireless Server 6000 solution are the KIRK Wireless Server 6000, KIRK Media Resources, KIRK IP Base Stations, KIRK Repeaters, and KIRK Handsets. Combined they make up a complete wireless enterprise solution.

### Benefits for Fast-Growing and Large Businesses

The KIRK Wireless Server 6000 is a scalable solution to which infrastructure elements can be added in accordance with changes in business needs. This makes the KIRK Wireless Server 6000 solution an ideal choice for fast-growing and large businesses.

The KIRK Wireless Server 6000 solution can fulfil wireless needs of up to 4,096 mobile employees, and can grow with you as your organization expands. A flexible license option allows you to only pay for extra users when you need them. Your business expands, you pay, and you have more mobile users.

In its basic version, the infrastructure of the KIRK Wireless Server 6000 solution consists of the server itself, KIRK IP Base Stations, and KIRK Handsets.

Should an increasing need for additional voice channels arise, the KIRK Media Resource can easily be added to the solution, which adds another 32 channels to the KIRK Wireless Server 6000 solution per Media Resource. Also, if you find that you need to extend the radio coverage, you can easily achieve this by adding KIRK IP Base Stations or KIRK Repeaters to the KIRK Wireless Server 6000 solution.

Also, Redundancy can be added to the solution to secure your business, communication, and information in case parts of the system infrastructure break down or need to restart.

Whether it is the number of mobile employees, the number of available voice channels, or the need for greater geographical coverage that is increasing, the KIRK Wireless Server 6000 can fulfil your business needs and requirements, which makes it a future-proof choice.

### KIRK Wireless Solutions

The KIRK Wireless Server 6000 is part of the KIRK Wireless portfolio, which includes a number of wireless server solutions suitable for SMBs as well as large businesses and enterprises.

All KIRK wireless solutions are built on the international DECT (Digital Enhanced Cordless Telecommunications) standard, and are compatible with most enterprise communication systems through either an analog or IP interface.



### Benefits

- ▶ Redundancy makes it possible to deploy a KIRK Wireless Server 6000 Solution as a load-balancing cluster of two servers with automatic fail-over
- ▶ Simplicity with direct connection to LAN
- ▶ Delivers high-quality and secure voice communications across all enterprise environments
- ▶ Increases business efficiency by integrating with application systems and business processes
- ▶ Maximizes employee availability using simple, reliable, and durable devices
- ▶ Single web portal for administration and maintenance
- ▶ SIP interface
- ▶ Compatible with all KIRK Handsets

# Polycom® KIRK® Wireless Server 6000 Specifications

## Protocol Support

- Session Initiated Protocol SIP

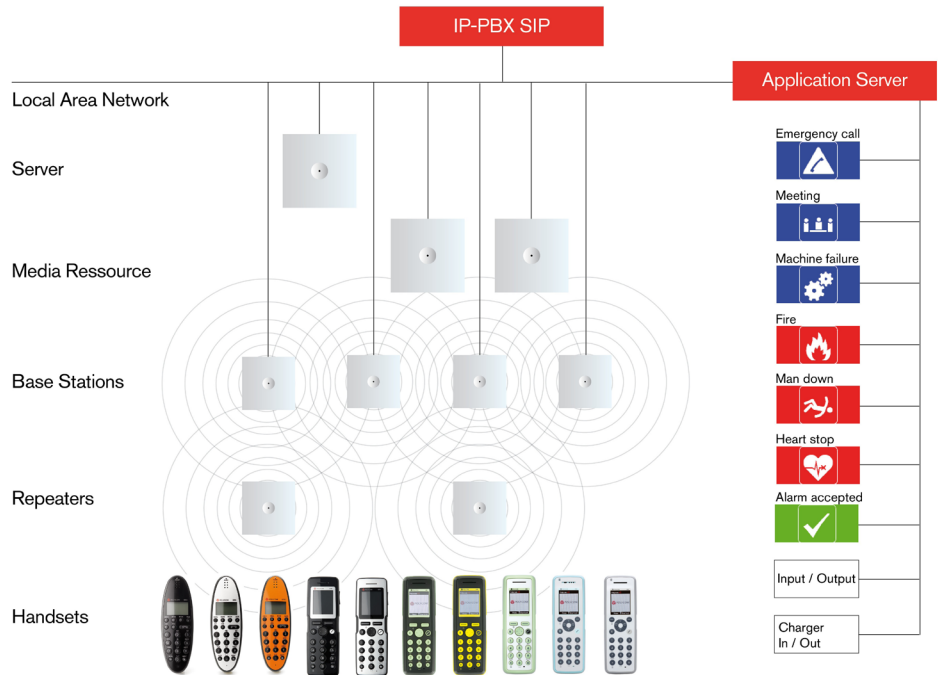
For overview of all supported RFC protocols, see support pages on [www.polycom.com](http://www.polycom.com).

## Operation and Maintenance

- Single web portal for administration and maintenance of the entire infrastructure
- HTTP with digest authentication
- HTTPS
- Provisioning, maintenance, and supervision of all infrastructure components in the DECT solution (KIRK Media Resources (optional) and KIRK IP Base Stations)
- Provisioning, maintenance, and supervision of all KIRK Handsets controlled by the solution

## System Architecture

- The KIRK Wireless Server 6000 is a control unit acting as a SIP integration unit to the SIP IP-PBX. Also, it controls and handles all other infrastructure elements
- Max. no. of 12-channel KIRK IP Base Stations: 256.  
The IP Base Station handles call signalling from the KIRK Wireless Server 6000 over the air to KIRK Handsets
- Max. no. of simultaneous calls on each KIRK IP Base Station: 11
- Max. no. of 4-channel KIRK Repeaters on each KIRK IP Base Station: 3
- Max. no. of KIRK Media Resources: 32.  
The KIRK Media Resource handles the media stream from the SIP server and distributes voice to the KIRK IP Base Station
- Max. no. of simultaneous calls with one KIRK Media Resource (G.711): 32
- Max. no. of simultaneous calls with 32 KIRK Media Resources: 1,024
- Max. no. of simultaneous calls with 32 KIRK Media Resources and Codec Module: 768
- Max. no. of registered KIRK Handsets: 4,096 (stepwise scalable up to 4,096 users)



## Supported Codecs

- G.711 A-law and  $\mu$ -law
- G.729AB (codec module required)

## Network and Provisioning

- 10/100 Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization using NTP
- Event logging

## Approvals (Regulatory Standards)

- EN55022
- EN55024: A, A2
- FCC RULES, CRF47, PART15, class B digital device

## Safety (Regulatory Standards)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- UL File No: E215601
- EN60950-1

## Environmental Conditions

- Operating temperature: 10 - 40 °C
- Storage temperature: - 50 - 70 °C
- 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)

## Electrical Requirements

- External power supply
- Power consumption: 8V/500 mA
- Typical power consumption: 4W per unit
- The supplied power for AC adaptor power supply must be 110 to 240 ac nominal, 50/60 Hz.

## Physical Characteristics

- Size: 164 x 164 x 54 mm.
- Weight: 360 g.
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor

## Interoperability

For information about supported PBX platforms, visit the Support Portal on [www.polycom.com](http://www.polycom.com).

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