POLYCOM®

Microsoft® Lync™

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 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 be added in accordance with changes in your business and wireless telephony needs. This makes the KIRK Wireless Server 6000 an ideal and future-proof choice for medium-sized to large organizations and fast-growing businesses.

Benefits 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 your organization. A flexible license option allows you to only pay for the users you need. Your business expands, you pay, and you have more mobile users.

The modular nature of the KIRK Wireless Server 6000 makes it easy for you to increase the number of voice channels and/or geographical coverage if your wireless needs should change. With the KIRK Media Resource you can easily add addtional voice channels and the KIRK IP Base Station enables you to extend the radio coverage.

To secure your business, communication, and information in case parts of the system infrastructure break down or need to restart you can deploy the KIRK Wireless Server 6000 as a redundant system with automatic failover. Moreover, you can install the KIRK Software Security Package, which enables you to encrypt both internal and external media steams in your wireless solution.

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' current and future needs and requirements. This makes it a future-proof choice.

Interoperate Directly with Microsoft Lync

The KIRK Wireless Solution 6000 is an qualified Microsoft Lync solution that directly interoperates with Microsoft® Lync™ Server 2010. This enables you to add specialized vertical mobility to your Microsoft UC solution even without a gateway.

KIRK Wireless Solutions

The KIRK Wireless Server 6000 is part of the KIRK Wireless Server 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

- Tested and qualified for Microsoft® Lync™ Server 2010

- Redundancy makes it possible to deploy a KIRK Wireless Server 6000 solution as a load-balancing cluster of two servers with automatic failover

- Simplicity with direct connection to LAN

- Delivers high-quality and secure voice communications across all enterprise environments

- Increases business efficiency by integrating 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
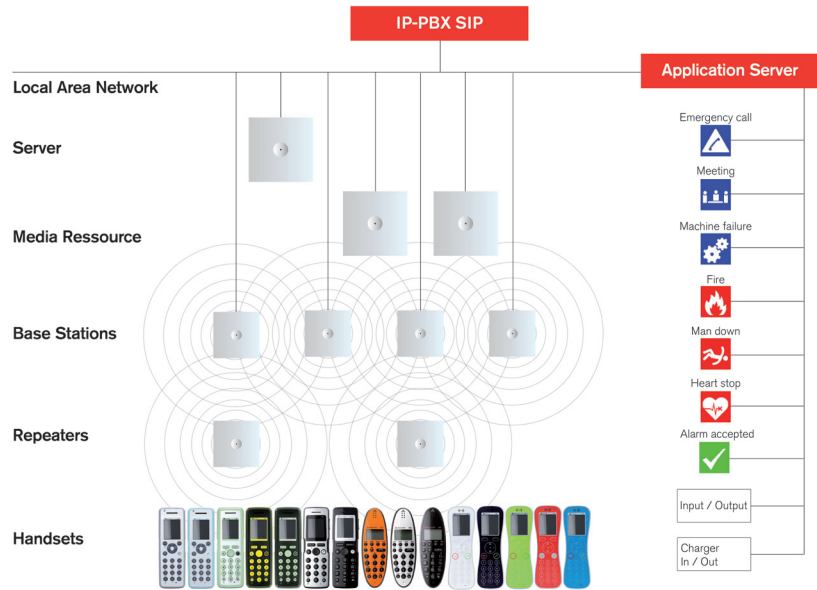- Session Initiated Protocol SIP

For overview of all supported RFC protocols, see support pages on www. polycom.com.

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 :
  - KIRK IP Base Stations: 256. The IP Base Station handles call singnalling from the KIRK Wireless Server 6000 over the air to the KIRK Handsets
  - Simultaneous calls on each KIRK IP Base Station: 11
  - KIRK Repeaters on each KIRK IP Base Station: 3
  - 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
  - Simultaneous calls with one KIRK Media Resource (G.711): 32
  - Simultaneous calls with 32 KIRK Media Resources: 1,024
  - Simultaneous calls with 32 KIRK Media Resources and Codec Module: 768
  - Registered KIRK Handsets: 4,096 (stepwise scalable up to 4,096 users)

Supported Codecs
- G.711 A-law and µ-law
- G.726 (32 kbps - 4 bit ADPCM)
- 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
- EN60950-1

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)

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. / 6.5 x 6.5 x 2.1 in.
- Weight: 360 g. / 12.7 oz
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor

Interoperability
For information about supported PBX platforms, visit the Support Portal on www. polycom.com.

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