KIRK® Wireless Server 400

SIP Telephony Solution for Small to Medium-sized Businesses

Spectralink offers a scalable IP DECT solution that can grow and develop with your business - no matter if it is the number of employees or locations that is increasing.

Cost-Effective Business Wireless

The KIRK® Wireless Server 400 is a scalable solution that supports up to 30 wireless users and 12 speech channels - depending on how you assemble KIRK Wireless Server 400 and which license keys you add to it.

The scalability ensures that the KIRK Wireless Server 400 solution can develop with your business to fit your exact needs today and in the future. This makes it a future-proof solution for small and medium-sized businesses as the solution can grow and develop in accordance with your business.

Small and Medium-sized Business Benefits

The KIRK Wireless Server 400 solution supports in it's basic version (without licenses) 12 users and 6 simultaneously speech channels. In the single-cell version the KIRK Wireless Server 400 is extremely easy to deploy and install, due to the intuitive menu structure. Moreover, the server is ideal as a hosted solution because it has the capability for provisioning configuration, firmware, and wireless users as well as VLAN tagging.

The KIRK Wirelss Server 400 can be deployed as either a single-cell or a multi-cell solution. When there is a need for more wireless users or a solution that covers a larger area or multiple locations, the KIRK Wireless Server 400 can be upgraded to a multi-cell solution, which supports up to 3 additional IP base stations.

When upgrading to a multi-cell solution, it will be possible to install IP Base Stations on the KIRK Wireless Server 400. When the KIRK Wireless Server 400 is upgraded with IP Base Stations and a multi-cell license it is possible to increase the coverage of the solution.

With the KIRK Wireless Server 400 you have the oppertunity to bye license keys when you need it. With the license keys you can design the wireless solution to support your exact business requirements.

KIRK Wireless Server 400 can be delivered with the new KIRK External Antenna. The KIRK External Antenna has the same design as KIRK Base Stations and it's an exceptional good choice for expanding coverage or creating sync over AIR in normal inaccessible areas like e.g.: freezing rooms, cruise ships or long corridors.

The modular design of the KIRK Wireless Server 400 makes it an excellent choice for small to medium-sized businesses that want a simple and flexible wireless solution.

SIP Interoperability

The KIRK Wireless Server 400 interoperates among others directly with Microsoft®, Broadsoft, Asterisk and CISCO.

Benefits

- In qualification for Microsoft® Lync™ Server 2013
- Corporate phonebook is integrated
- Upgrade via license as your business grows
- Cost-effective solution: Reuse the existing infrastructure
- Delivers high-quality and secure voice communication
- Increases business efficiency by integrating with application systems and business processes
- Can be installed in multiple locations to ensure mobility
- Browser configuration option
- External antenna
- Compatible with all KIRK Handsets: Equip all employees with a handset that meets their exact business needs
- Can be mounted upside down

KIRK® Wireless Server 400 Specifications

Protocol Support

- Session Initiated Protocol SIP
  For overview of all supported RFC protocols, please see KIRK Wireless Server 400 support page on support.spectralink.com

Operation and Maintenance

- Single web portal for administration and maintenance of the entire DECT infrastructure
- HTTP with digest authentication
- HTTPS
- Provisioning, maintenance, and supervision of all KIRK Handsets controlled by the solution

System Architecture

- The KIRK Wireless Server 400 is a server acting as both a radio unit and a SIP integration unit to the SIP IP-PBX. Also, it controls and handles all other infrastructure elements The KIRK Wireless Server 400 solution:
- Single Cell:
  1 x KWS400, up to 3 x Repeaters (2 or 4 channel multi-cell)
- Multi-cell:
  1 x KWS400, up to 6 x Radio infrastructure (max 3 x IP Base Station and/or up to 3 x Repeaters (2 or 4 channel multi-cell))
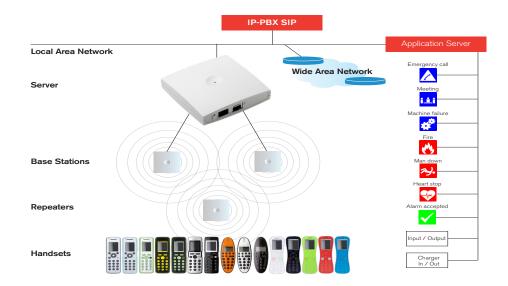
Supported Codecs

- G.711 A-law and µ-law
- G.726 (32kbps - 4 bit ADPCM)
- G.729 (license required)

All above mentioned Codecs will have a total maximum of 12 Speech Channels available

Network and Provisioning

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

KIRK Wireless Server 400 Configuration

Radio Interface

- 12 speech 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. / 66 - 164 ft.
  - Outdoor: 300 m. / 984 ft.
- Possible to connect external antenna

Electro Magnetic Compatibility (EMC) Approvals (Regulatory Standards)

- EN 301 489-1
- EN 301 489-6
- FCC RULES, FCC PART15
- ANSI C63.4

Safety (Regulatory Standards)

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

DECT Approval

- EN 301 406

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

- Power over Ethernet (IEEE 802.3af)
- PoE Class 1 device
- Typical power consumption: 3W per unit
- External power outlet (power supply must be ordred separately)

Physical Characteristics

- Size: 100 x 100 x 38 mm. / 3.9 x 3.9 x 1.5 in.
- Weight: 120 gr. / 4.2 oz.
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor
- The server can be mounted upside down

Optional Licenses

- 12 speech channels + 30 Users license
- Microsoft® Lync™ license
- Multi-cell license
- G.729 license
- Automatic Alarm Call license

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