POLYCOM®

Polycom® KIRK® Wireless Server 2500

DECT Wireless Telephony for Small to Medium-sized Businesses

Polycom offers a future-proof and flexible DECT wireless solution that combines analog and SIP VoIP telephony, and can be customized to match your wireless needs today and in the future.

Cost-Effective Business Wireless

The Polycom® KIRK® Wireless Server 2500 is ideal for small and medium-sized businesses that want a cost-effective and future-proof solution. It is a flexible add-on solution that can be assembled to match your exact needs. You get all the benefits from the larger KIRK Wireless Server 8000 solution, but tailored to meet the needs of smaller businesses.

The KIRK Wireless Server 2500 solution has room for one CPU card and three interface cards. You can deploy either analog, SIP VoIP, or a combination of analog and SIP VoIP telephony in a KIRK Wireless Server 2500 solution. If at any time, you want to migrate to a full SIP VoIP solution, all it requires is the change of an interface card.

Benefits for Small and Medium-sized Businesses

The KIRK Wireless Server 2500 solution supports up to 150 wireless users and 32 simultaneous calls. The server runs on an open interface and supports third-party applications, which allows the solution to be customized to your exact needs.

With the possibility of combining analog and SIP VoIP interfaces, the KIRK Wireless Server 2500 solution provides seamless migration from analog to SIP VoIP telephony, which can be carried out completely or stepwise in accordance with changes in business needs - making it a truly future-proof investment.

Yet, the KIRK Wireless Server 2500 solution is a future-proof investment in more than one way. Should your business outgrow the KIRK Wireless Server 2500, you can easily and inexpensively upgrade to a KIRK Wireless Server 8000 solution. Simply buy a KIRK Wireless Server 8000 shelf and reuse all infrastructure elements, interface cards, and KIRK Handsets.

To secure your business and communication you can install the KIRK Software Security Package, which enables you to encrypt both internal and external media steams in your KIRK Wireless Solution without reducing the system capacity.

The flexible and future-proof design of the KIRK Wireless Server 2500 solution makes it an ideal add-on solution for small to medium-sized businesses as the solution can grow and develop along with your business.

KIRK Wireless Solutions

The KIRK Wireless Server 2500 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

- All the features from the KIRK Wireless Server 8000 in a smaller solution
- Future-proof as the flexible design ensures the solution matches your needs at all times
- Seamless migration from analog to VoIP telephony
- Inexpensive upgrade to KIRK Wireless Server 8000 as you can reuse all interface cards and infrastructure elements
- Delivers high-quality and secure voice communications across all business environments
- Simple management via web GUI Management Program that includes various analyzing tools, statistics, and error detection
- Runs on an open interface, which allows the server to integrate with third-party applications
- Compatible with all KIRK Handsets

Polycom® KIRK® Wireless Server 2500 Specifications

Analog Line Support
- CLIP FSK Bell core
- DTMF CLIP
- Loop break
- DTMF transmit
- Dial and busy tone detect

SIP VoIP Support
- Basis call
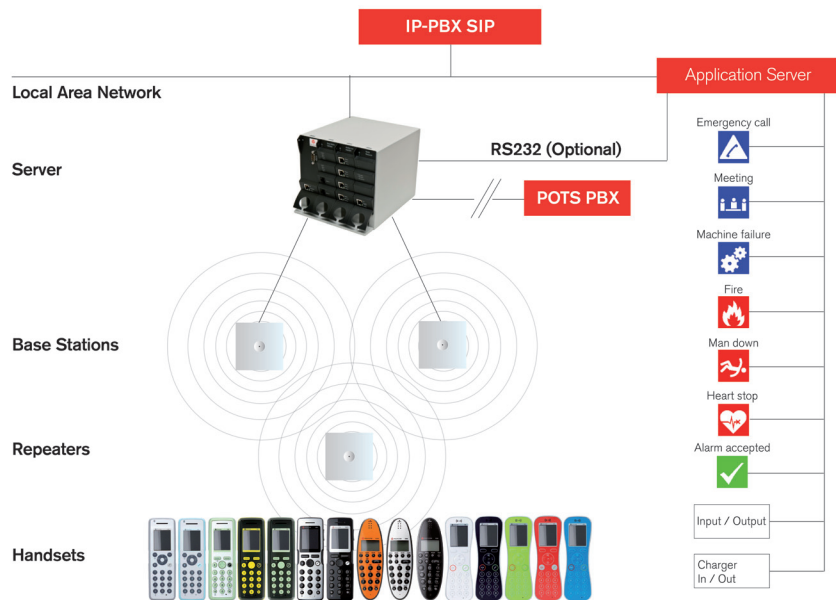- CLIP
- Call hold
- Call transfer

Protocol Support
- Broadcast messaging
- MSF
- TAP
- XML-PRC

IP-PBX SIP

Local Area Network

Server

RS232 (Optional)

POTS PBX

Base Stations

Repeaters

Handsets

Application Server

Emergency call

Meeting

Machine failure

Fire

Man down

Heart stop

Alarm accepted

Input / Output

Charger
In / Out

System Architechture
- Stable system core based on Linux
- Faster access to standard protocols
- The KIRK Wireless Server 2500 solution has room for one CPU card without link and three interface cards
- Max. no. of:
  - Registered KIRK Handsets (VoIP interface): 150
  - Registered KIRK Handsets (analog interface): 32
  - Simultaneous calls per VoIP interface card: 32
  - Simultaneous calls per analog interface card: 16
  - KIRK Base Stations: up to 8 per base station interface card
  - KIRK Repeaters: 3 per KIRK Base Station

- **Interface Cards:**
  - AB08/16 interface card: 8/16 analog telephone lines
  - BIF08 interface card: drives 8 base stations
  - MR32 interface card: media resource card for 32 VoIP connections

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

Approvals (Regulatory Standards)
- EN55022, Class A
- EN55024: A1, 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: -30 - 70 °C / -22 - 158 °F
- Humidity: 20 % and 80 % (non-condensing)
- Compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

Electrical Requirements
- Power adaptor
- Power adaptor characteristics: DE 18.1 VDC/3.16 A
- The supplied power for AC adaptor power supply must be 110–240 VAC nominal, 50/60 Hz.

Physical Characteristics
- Size: 177 x 194 x 328 mm. / 7 x 8 x 13 in.
- Weight: 1.16 kg/2.56 lb excl. power supply
- Wall mountable, indoor

Base Stations
The KIRK Base Stations available for the KIRK Wireless Server 2500 are standard 4-channel KIRK Base stations. Please note, base stations with Software PCS2A (produced until mid-1998) are not supported on the KIRK Wireless Server 2500.

Availability
The KIRK Wireless Server 2500 solution is globally available: it is regulatory certified for 1G9 (frequency band used in e.g. North America) and 1G8 (frequency band used in e.g. Europe and Australia).

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

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