

Polycom® KIRK® Wireless Server 8000

DECT Wireless Telephony for Medium to Very Large Businesses

Polycom offers an extremely scalable and flexible DECT wireless solution with combined analog and SIP VoIP interface that can be customized to exactly match your wireless telephony needs today and in the future.

Cost-Effective Business Wireless

The Polycom® KIRK® Wireless Server 8000 solution provides a combined analog and SIP VoIP interface that is extremely scalable and fits the needs of medium-sized to large businesses as well as large enterprises.

The KIRK Wireless Server 8000 solution includes a number of different interface cards: the CPU card with/without link-option, the analog card with 8 or 16 lines, the base station card which is able to connect up to 8 KIRK Base Stations, and the SIP VoIP interface card that is a media resource card for 32 VoIP connections.

Each KIRK Wireless Server 8000 has room for 1 CPU card, up to 8 interface cards - and up to 8 servers can be linked together. With a total of 64 slots, the KIRK Wireless Server 8000 solution permits numerous ways of combining the base station cards, the analog card, and the VoIP interface card in order to assemble a wireless solution customized to match the exact telephony needs in your organization.

Benefits for Medium, Large, and Very Large Businesses

Businesses that need radio coverage over a large geographical area or on multiple locations or that need to equip a large number of mobile employees with wireless telephony can benefit from the KIRK Wireless Server 8000 solution, which supports up to 4,095 wireless users and up to 1,024 simultaneous calls.

With the possibility of a combined analog and VoIP interface, the KIRK Wireless Server 8000 solution provides seamless migration that can be carried out completely or stepwise in accordance with changes in business needs - making it a future-proof investment.

The extremely scalable and flexible nature of the KIRK Wireless Server 8000 solution makes it an ideal add-on solution for fast-growing and large businesses since the solution can be expanded as your business grows.

KIRK Wireless Solutions

The KIRK Wireless Server 8000 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

Dramatically improves responsiveness and productivity of mobile workers

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

Reduces the number of on-site service visits via service facilities such as management reports and analyzing tools

Low power consumption fosters a greener environment and reduces costs

Future-proof as the flexible and scaleable design ensures that the solution matches your needs at all times

Compatible with all KIRK Handsets

Polycom® KIRK® Wireless Server 8000 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

DECT Support

- GAP
- MSF
- Broadcast Messaging

System Architecture

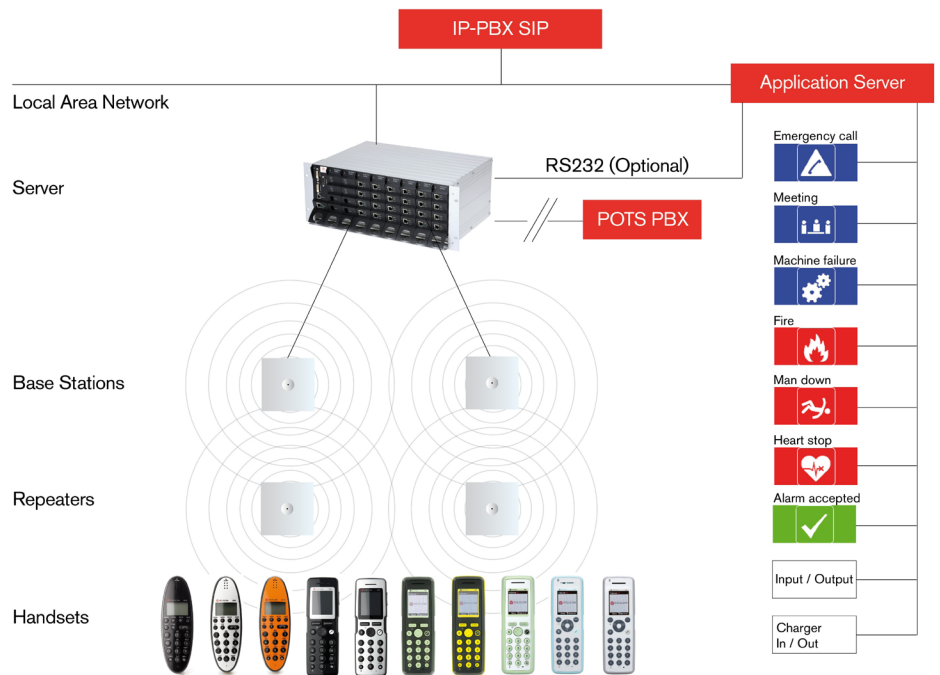
- Stable system core based on Linux
- Faster access to standard protocols
- Up to 4,095 wireless users
- Up to 1,024 simultaneous calls
- Up to 32 simultaneous calls per media resource (G.711 & G. 726)
- Up to 3 KIRK Repeaters to each KIRK Base Station
- Max. 8 shelves can be linked together
- Each shelf can contain 8 interface cards
- Max. 64 interface cards in one linked system

Four Types of Interface Cards:

- AB08 interface card: 8 analog telephone lines (A/B lines, TIP/Ring or single lines; Term is nation depended). Configured as 4 lines in 1 RJ45 connector
- AB16 interface card: 16 analog telephone lines (A/B lines, Tip/Ring or single lines; Term is nation depended). Configured as 4 lines in 1 RJ45 connector
- BIF08 interface card: drives 8 base stations. Configured as 4 lines in 1 RJ45 connector. Switch capacity: 1,024 simultaneous calls
- 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
- CRF47, PART 15, Subpart B
- CISPR 22
- ICES-003
- CAN/CSA-CEI/IEC CISPR 22

Safety (Regulatory Standards)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- UL File No: E170690
- IEC 60950-1
- EN60950-1
- AS/NZS 60950-1

Environmental Conditions

- Operating temperature: 0 – 40 °C
- Storage temperature: - 30 – 70 °C
- Relative humidity: between 20 % and 80 % (non-condensing)
- Operating altitude: Up to 3,000 m.
- The equipment is compliant with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

Electrical Requirements

- Power adaptor
- Power adaptor characteristics: De 19 VDC /9.48 A
- The supplied power for AC adaptor power supply must be 110 – 240 VAC nominal, 50/60 Hz.

Physical Characteristics

- Size: 177 x 422 x 328 mm.
- Weight:
 - 5.34 Kg. excl. power supply
 - Up to 12 Kg. incl. AC adapters
- Rack and wall mountable, indoor
- The shelf is 4 units high in rack

Base Stations

The KIRK Base Stations available for the KIRK Wireless Server 8000 are standard 4-channel KIRK Base stations. Please note, Base Stations with Software PCS 2A (produced until mid-1998) are not supported on the KIRK Wireless Server 8000.

Interoperability

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

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