POLYCOM®

A POLYCOM DATA SHEET

Polycom® KIRK® Wireless Server 600v3

Wireless SIP Telephony for Small and Medium-sized Businesses

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

Cost-Effective Business Wireless

The Polycom® KIRK® Wireless Server 600v3 is a scalable solution that supports from 35 to 1,500 wireless users - depending on how you assemble the KIRK Wireless Server 600v3 solution.

The scalability ensures that the KIRK Wireless Server 600v3 solution can be adjusted to fit your exact needs today and in the future. This makes it a future-proof choice for small and medium-sized businesses.

Benefits for Small and Medium-sized Businesses

The KIRK Wireless Server 600v3 can be deployed as either a single-cell or a multi-cell solution. A single-cell solution, consisting of one KIRK Wireless Server 600v3 and up to six KIRK Repeaters, supports up to 35 wireless users. When there is a need for more than 35 wireless users or a solution that covers multiple locations, the KIRK Wireless Server 600v3 can be upgraded to a multi-cell solution, which supports up to 1,500 wireless users and can be installed in several locations.

When upgrading to a multi-cell solution, it is possible to reuse all KIRK infrastructure elements supplied with a multi-cell license. Now your solution can grow in both the number of registered wireless users and covered locations. Up to 256 radio units (a mix of KIRK Wireless Server 600v3s and KIRK Repeaters) can be used to provide the necessary radio coverage.

The KIRK Wireless Server 600v3 solution uses LAN as cabling and IP as communication protocol between the wireless servers, and DECT synchronizing is carried out over the air. The KIRK Wireless Server 600v3 is a cost-effective solution as it allows reuse of both KIRK infrastructure elements and the existing network infrastructure and components.

The scalable and future-proof design of the KIRK Wireless Server 600v3 makes it an ideal solution for small to medium-sized businesses and businesses with multiple locations as the solution can grow and develop in accordance with your business.

KIRK Wireless Solutions

The KIRK Wireless Server 600v3 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

- Inexpensive upgrade: When upgrading from a single-cell to a multi-cell solution reuse all KIRK infrastructure elements
- Future-proof as the modular design ensures the solution matches your needs at all times
- Delivers high-quality and secure voice communications across all business environments
- Cost-effective solution as it allows usage of the existing LAN infrastructure
- Built-in redundancy to secure your data
- Can be installed in multible locations to ensure mobility
- Compatible with all KIRK Handsets

Polycom® KIRK® Wireless Server 600v3 Specifications

Protocol Support

- Session Initiated Protocol SIP

  For complete overview of protocol support, see support page on www.polycom.com

DECT Approval

- EN 301 406

System Architechture

Single-cell solution:

- Max. no. of KIRK Wireless Server 600v3 (linked): 1
- Max. no. of KIRK Repeaters: 6
- Max. no. of simultaneous calls: 11
- Max. no. of registered KIRK Handsets: 35

Multi-cell solution:

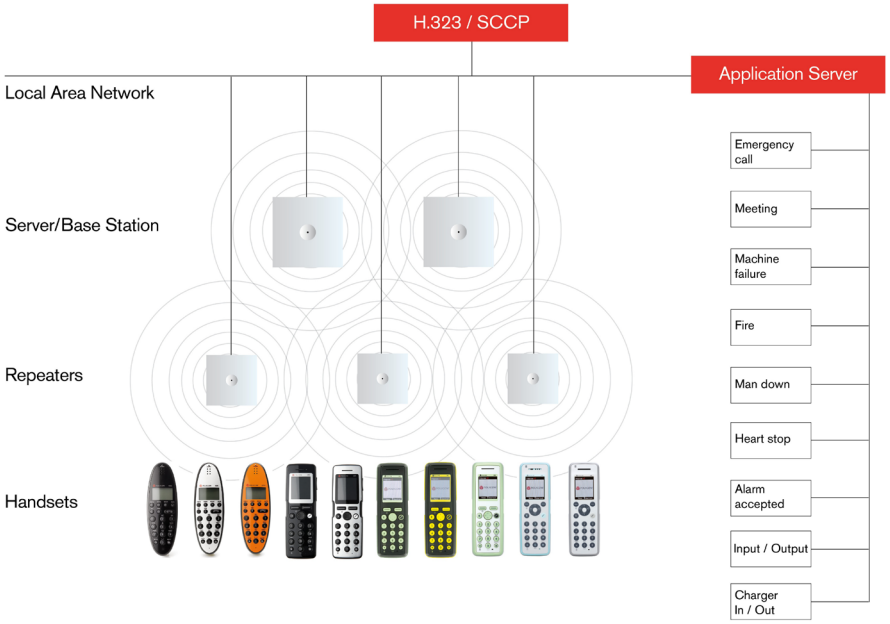
- Max. no. of KIRK Wireless Server 600v3 (linked): 256
- Max. no. of KIRK Repeaters: 256 - *minus the number of KIRK Wireless Server 600v3s*
- Max. no. of simultaneous calls: 11 per KIRK Wireless Server 600v3
- Max. no. of registered KIRK Handsets: 1,500

Operation and Maintenance

- Single Web portal for administration and maintenance of the DECT infrastructure
- HTTP with digest authentication
- TFTP
- PPTP
- SNMP
- SOAP
- Provisioning, maintenance, and supervision of all infrastructure elements
- Supervision of signal strength of the radios including repeaters
- Ongoing real time Master calls supervision
- LDAP used for database access
- Load distribution of LDAP servers possible by means of a tree structure
- Multi site and cluster distribution
- LED status indication for Power, Alarm, Ready, Network, and Radio
- Reset button available
- Redundancy:
  - Between 2 IP-masters
  - SIP/H.323: between 2 gatekeepers
  - SKINNY: between 3 gatekeepers (2*CCM + SRST)

Supported Codecs

- Integrated non-blocking codec solution



- Integrated multinational progress tones provision

Approvals (Regulatory Standards)

- EN55022
- EN55024: A1, A2
- FCC RULES, CRF47, PART15, class B digital device

Network and Provisioning

- 10/100Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP) network setup
- Provisioning manually and by update server
- Time and date synchronization using NTP
- Full real time accumulating statistics: Calls In, Calls Out, Handover, and Handover Failed
- Ongoing real time Radio calls supervision
- SYSLOG protocol for logging
- Built-in trace facilities

Radio Interface

- Full slot DECT RF part (12 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.
  - outdoor: 300 m.

Safety (Regulatory Standards)

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

Environmental Conditions

- Operating temperature: 0 - 40 °C
- Storage temperature: - 10 - 70 °C
- 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 consumption less than 7W
- Power over Ethernet (IEEE 802.3af)
- PoE Class 0 device

Physical Characteristics

- Size: 165 x 165 x 34 mm.
- Weight: 358 g.
- Wall mountable, indoor

Availability

The KIRK Wireless Server 600v3 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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01/13/2011