



POLYCOM® KIRK Wireless Server 6000 - Fact Sheet

KIRK Wireless Server 6000 - Solution

Protocol Support:

- Session Initiated Protocol SIP
- RFC 2327 Session Description Protocol
- RFC 2833 RTP Payload for DTMF Digits, Telephony Tones and Telephony Signals
- RFC 2976 The SIP INFO Method
- RFC 3261 SIP: Session Initiation Protocol
- RFC 3262 Reliability of Provisional Responses in SIP
- RFC 3264 An Offer/Answer Model
- RFC 3265 SIP-Specific Event Notification
- RFC 3428 Session Initiation Protocol Extension for Instant Messaging
- RFC 3515 The Session Initiation Protocol (SIP) Refer Method
- RFC 3842 A Message Summary and Message Waiting Indication Event Package
- RFC 3891 The Session Initiation Protocol (SIP) "Replaces" Header

Operation and Maintenance

- Single Web portal on KWS6000 for administration and maintenance of the entire DECT infrastructure
- HTTP with digest authentication
- HTTPS
- Provisioning, maintenance and supervision of all infrastructure components in the DECT solution (KIRK Media Resources (optional) and KIRK Base Stations)
- Provisioning, maintenance and supervision of all KIRK Handsets controlled by the solution

System Capacity

Max. number of radio units (base stations and repeaters)	256
Max. number of simultaneous calls on each KIRK Base Station	11
Max. number of KIRK Repeater on each KIRK Base Station	6
Max. number of simultaneous calls on a KWS6000/KIRK Media Resource (G.711)	32
Max. number of KIRK Media Resources	32
Max. number of simultaneous calls with 32 KIRK Media Resources	1024
Max. number of simultaneous calls with 32 KIRK Media Resources with Codec Module	768
Max. number of registered KIRK Handsets	4096*

*License stepwise scalable up to 4096 users.

Supported Codecs:

- G.711 alaw and ulaw
- G.729AB (codec module required)

KIRK Wireless Server 6000 - Unit

Network and Provisioning:

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

Approvals (Regulatory Standards)

- EN55022:2006,
- EN55024: 1998, A1:2002, A2:2003
- FCC RULES, CRF47, PART15, class B digital device

Safety (Regulatory Standards)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- UL File No: E215601
- EN60950-1:2006

Environmental Conditions:

- 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 (W x H x D): 164 x 164 x 54 mm
- Weight: 360 g.
- Grey-white (NCS 0502-Y)
- Wall-mountable, Indoor

KIRK Base Station 12 - Unit

Network and Provisioning:

- 10/100Mbps Ethernet port
- Manual or dynamic host configuration protocol (DHCP) network setup
- Time and date synchronization from KWS6000
- Event logging
- LED status indication

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.
- Frequency Bands available:
ETSI DECT (1880-1900 Mhz)
South America (1910-1930 Mhz)
USA DECT (1920-1930 Mhz)

Electro Magnetic Compatibility (EMC) Approvals (Regulatory Standards)

- EN 301 489-1:V1.6.1
- EN 301 489-6:V1.2.1
- FCC RULES, FCC PART15, SubpartD;RSS-213
- IC Rules RSS213 Issue 2, Dec 2005

Safety (Regulatory Standards)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- EN 60950-1:2006

DECT Approvals

- EN 301 406 V1.5.1

Environmental Conditions:

- 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: 1W per unit

Physical Characteristics:

- Size (W x H x D): 100 x 100 x 38 mm
- Weight: 120 g.
- Grey-white (NCS 0502-Y)
- Wall-mountable, Indoor

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