

# Polycom® SpectraLink® 8000 Telephony Gateway

## The Wireless Convergence Solution

### Investment Protection with Wi-Fi Telephony

#### Designed for the Workplace

Polycom SpectraLink wireless telephones are the industry's most advanced solution for voice communication over wireless LANs. By integrating the system with an enterprise wireless network, telephone users are provided with high-quality mobile voice communication throughout the workplace.

In order to provide the highest level of functionality to SpectraLink 8020 and 8030 wireless telephones, Polycom has developed digital interfaces to the leading enterprise telephone systems. This advanced digital interface technology emulates proprietary digital telephone sets, making advanced switch features such as multiple line appearances and display features available to SpectraLink 8020 and 8030 wireless telephone users.

#### SpectraLink 8000 Telephony Gateway

The SpectraLink 8000 Telephony Gateway provides the interface between an enterprise PBX and a wireless LAN network. Supporting digital and/or analog line interfaces, the SpectraLink 8000 Telephony Gateway provides the voice encoding and packetization required to transmit telephone conversations over an IP network. The SpectraLink Telephony Gateway provides the necessary control signaling to the host PBX allowing SpectraLink 8020 and 8030 wireless telephone users to access all the features and capabilities of the PBX. SpectraLink 8000 Telephony Gateways are designed to integrate with the existing enterprise PBX. All of the provisioning, maintenance, and administration functions of the host PBX are used for the SpectraLink 8020 and 8030 wireless telephones. Each SpectraLink 8000 Telephony Gateway supports 16 users, and up to 50 SpectraLink 8000 Telephony Gateways can be deployed in a single network supporting up to 800 users.

#### Features

Polycom SpectraLink wireless telephones are designed for the enterprise networks of today and tomorrow. For traditional PBX systems, SpectraLink Telephony Gateways provide packetized voice over a wireless LAN without sacrificing digital telephone features and capabilities. To help ensure excellent voice quality, Polycom has developed a voice prioritization mechanism for 802.11 access points and SpectraLink wireless telephones. SpectraLink Voice Priority (SVP) is standards-compatible, simple to implement, and reduces packet queuing delays for voice traffic.



#### Benefits

- Digital integration with legacy telephone systems
- Full feature access on SpectraLink 8020 and 8030 wireless telephones
- Supports display features such as caller ID and message waiting indication
- Scalable architecture for up to 800 users
- Compatible with IP telephony applications

# Polycom SpectraLink 8000 Telephony Gateway Specifications

## Specifications

### System capacity

- 800 Wireless Telephones

### Telephone switch connection

- RJ-21 25-pair connector

### LAN connection

- RJ-45 10Base-T Ethernet

### Administration

- Serial port, Telnet, external modem

### Network configuration

- DHCP or static IP addressing

### Dimensions

- 6.9" D x 2.8" H x 13.0" W  
(17.5 cm D x 7.1 cm H x 33 cm W)

### Weight

- 4.5 lbs (2.0 kg)

### Mounting

- Wall or 19" rack mount option

### Power

- 110 - 220 VAC, 50 - 60 Hz

### Humidity

- 0 - 95%, non-condensing

### Operating temperature

- 32° - 104° F (0° - 40° C)

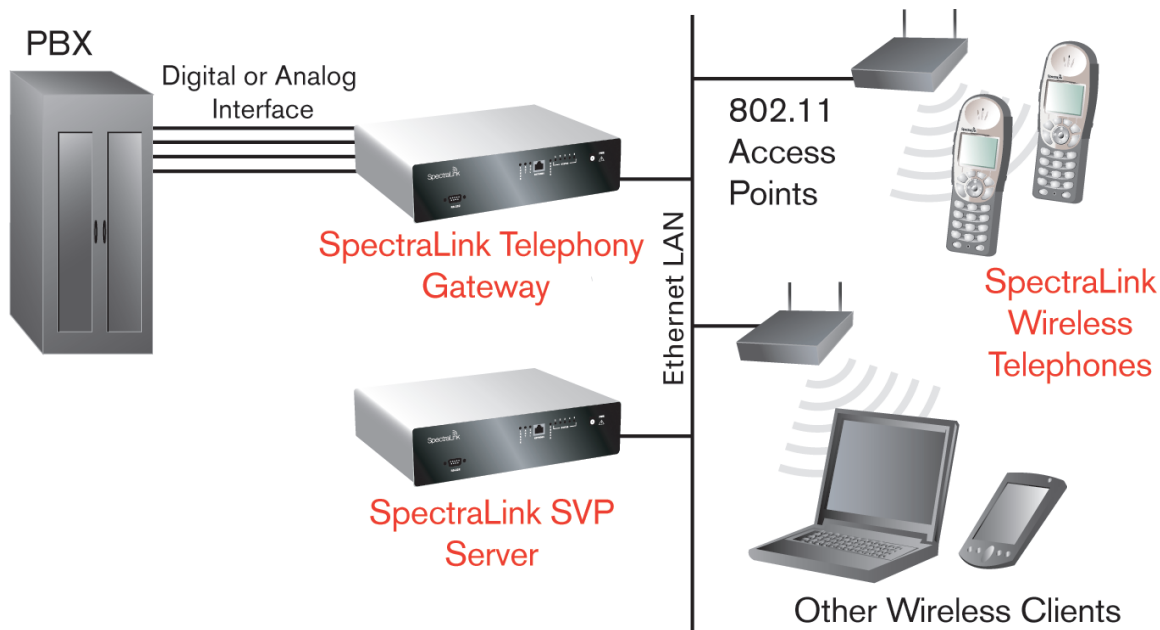
### Compatible Handsets

- SpectraLink e340, i640, h340, 8020 and 8030 Wireless Telephones. (Not available for the SpectraLink 8400 Series)

## Supported Telephone Switch Interfaces

- Analog
- Avaya
- Comdial
- Fujitsu
- Inter-Tel
- Mitel
- NEC
- Nortel
- Siemens
- Toshiba

## SpectraLink Wireless Telephone System Architecture



## Learn More

Find out what Polycom SpectraLink solutions can do for your organization. Visit us at [polycom.com](http://polycom.com) or contact your Polycom representative.

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