

# ▶ Polycom® SpectraLink 8000 Telephony Gateway

The Wireless Convergence Solution



## Wireless IP Telephony Gateway for Legacy PBXs

### Designed for the Workplace

Polycom's 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 the SpectraLink Wireless Telephones, Polycom has developed digital interfaces to the leading enterprise telephone systems. Polycom's exclusive LinkPlus™ digital interface technology emulates proprietary digital telephone sets, making advanced switch features such as multiple line appearances and display features, available to SpectraLink 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. With LinkPlus technology, the SpectraLink Telephony Gateway provides the necessary control signaling to the host PBX allowing SpectraLink 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 Wireless Telephones. Each Telephony Gateway supports 16 users, and up to 50 SpectraLink 8000 Telephony Gateways can be deployed in a single network supporting up to 800 SpectraLink Wireless Telephone users.

### Features

Polycom's 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 ensure excellent voice quality, Polycom has developed a voice prioritization mechanism for 802.11 access points and 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 Wireless Telephones
- ▶ Supports display features such as caller ID and message waiting indication
- ▶ Scalable architecture for up to 800 users
- ▶ Future-proof solution compatible with IP telephony applications

# Polycom® SpectraLink 8000 Telephony Gateway

## 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)

## Supported Telephone Switch Interfaces

Analog  
Mitel

Avaya  
NEC

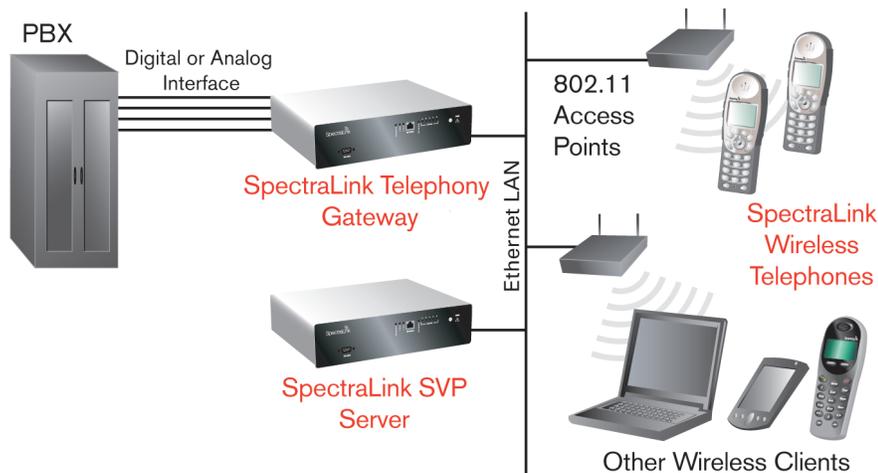
Comdial  
Nortel

Executone  
Panasonic

Fujitsu  
Siemens

Inter-Tel  
Toshiba

## SpectraLink Wireless Telephone System Architecture



## Find Out More

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

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