

# NetLink System Overview

## Wi-Fi Telephony for the Enterprise

### Benefits

- Leverage Wi-Fi wireless LAN infrastructure for voice and data applications
- Dramatically improve mobility, responsiveness, and productivity
- Deliver excellent voice quality and digital features throughout the workplace
- Full integration with legacy and IP PBX systems
- Proven durability for use in all business environments

### The Wireless Convergence Solution

SpectraLink, the leader in wireless voice solutions for the workplace, offers the industry's most advanced Wi-Fi telephony solution for enterprise wireless networks. NetLink Wireless Telephones operate on a converged voice and data infrastructure to reduce costs and simplify management while significantly improving employee mobility, responsiveness, and productivity. NetLink Wireless Telephones provide the richest functionality while integrating with the broadest range of enterprise applications and networks.

### Integrated Wi-Fi Telephony

NetLink Wireless Telephones enhance the enterprise networks of today and tomorrow. For traditional PBX systems, NetLink Telephony Gateways provide packetized voice over a wireless LAN without sacrificing digital telephone features and capabilities. For enterprises using IP telephony applications, NetLink Wireless Telephones support standard and proprietary IP protocols for an end-to-end IP telephony solution. NetLink Wireless Telephones are field-upgradeable through an integrated TFTP client so new protocols, features, and capabilities can be added as they become available.

SpectraLink ensures superior voice quality across wireless LAN access points and handsets through a prioritization mechanism called SpectraLink Voice Priority (SVP). This standards-compatible protocol is simple to implement and reduces packet queuing delays for voice traffic. SVP-enabled access points are available from the leading providers of enterprise wireless networks. NetLink Wireless Telephones are designed to support emerging standards for wireless quality of service (QoS) and security, allowing enterprises to leverage improvements in wireless network performance and protection.

### Designed for the Workplace

SpectraLink offers the industry's most versatile and complete Wi-Fi telephony solutions for the workplace. NetLink Wireless Telephones support a broad range of enterprise applications from general office to industrial. Only SpectraLink combines innovative design, advanced manufacturing, and rigorous testing processes to ensure handset reliability. The lightweight handsets are extremely simple to use, require minimal training, and are durable enough to withstand the rigors of workplace use. The rugged, monolithic design has no moving parts or external antenna.

NetLink Wireless Telephones offer more than just voice communication. Utilizing SpectraLink's Open Application Interface (OAI), the handsets function as two-way messaging devices through integration with other enterprise systems thus giving mobile workers access to critical information. Push-to-talk functionality is also available on industrial NetLink handsets for broadcast communication between employees thereby eliminating the need for two-way radios or walkie talkies.

For workers that split time between a desktop location and wireless roaming, the NetLink Docking Stations provide an ideal telephony solution. Equipped with a speakerphone, charging cradle, and integrated feature keys, these fully-featured digital stations give managers and staff a desktop telephone that mirrors their NetLink Wireless handset.

### SpectraLink — Putting Wireless to Work

SpectraLink helps thousands of commercial enterprises improve productivity, responsiveness, and customer service with NetLink Wireless Telephones. The combination of a standards-based architecture, enterprise telephony integration, and exceptional voice quality makes SpectraLink the right choice for Wi-Fi telephony.

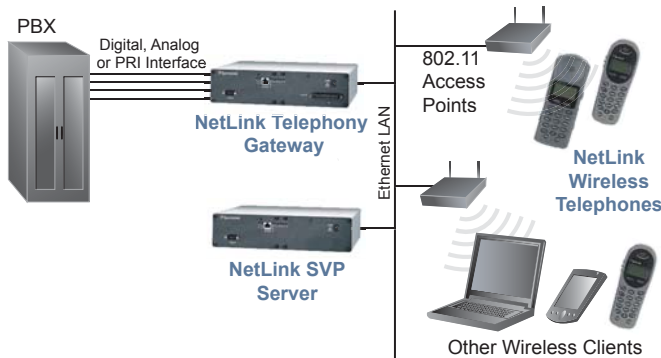
# NetLink Wireless Telephones

## Features

- 802.11b (Wi-Fi) standard-compatible
- Excellent voice quality on converged wireless networks
- Seamless integration with IP and traditional enterprise telephone systems
- H.323 and proprietary VoIP protocol support
- Text messaging support via Open Application Interface
- Push-to-talk mode (NetLink i640 and s640 only)
- Soft-key feature access
- Audible and vibrating ringers
- Integrated TFTP client
- DHCP or static IP addressing

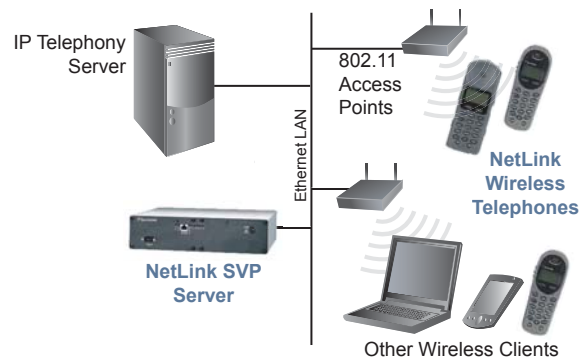
## NetLink Wireless Telephone Specifications

Radio frequency	2.4000 - 2.4835 GHz
Transmission type	Direct sequence spread spectrum
Transmit data rates	11, 5.5, 2, 1 Mb/s, auto rate selection
Transmit power	100 mW peak, < 10 mW average
Wireless QoS	SpectraLink Voice Priority (SVP)
Codecs	G.711 (A- and $\mu$ -law), G.729 AB
Wireless security	Standard WEP 40 bit and 128 bit Cisco-proprietary Fast Secure Roaming
FCC certification	Part 15.247
Capacity: NetLink Telephony Gateway	16 Wireless Telephones per Gateway, 40 Gateways max
Capacity: NetLink SVP Server	120 simultaneous calls with NetLink Telephony Gateways 80 simultaneous calls with IP telephony server (single SVP Server) Maximum 16 SVP Servers supports 850 simultaneous calls



### Integration with circuit-switched PBX

NetLink Telephony Gateways connect to traditional PBX and key systems using standard analog, trunked ISDN primary rate, or PBX-specific digital station interfaces. The NetLink SVP Server guarantees excellent voice quality on converged wireless networks.



### Integration with IP telephony server

NetLink Wireless Telephones support standard and proprietary IP telephony protocols without the need for a separate gateway. The NetLink SVP Server guarantees excellent voice quality on converged wireless networks.

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