



**PRODUCT
BRIEF**

Avaya In-Building Wireless Voice Solutions

Stay Connected

In-building wireless voice delivers many distinct advantages and benefits. It provides a secure means of untethering your workers while keeping key employees available to customers and co-workers. By facilitating communications, in-building wireless voice can increase workforce productivity. In addition, since wireless voice can work with and extend your existing IT infrastructure, it leverages your existing investment.

And with Avaya Intelligent Communications solutions, you can augment the benefits of your wireless voice solution by taking advantage of a converged IP network and integrate business-enabling applications. Avaya partners can help your company design and develop customized applications such as:

Manufacturing Applications

- Real-time communication helps eliminate the noise and delay of broadcasted overhead paging.
- Push-to-talk functionality makes it easy to reach an individual or user group.
- Text messaging can be integrated with production monitoring equipment, for example, enabling an employee to be automatically alerted when there is a problem.

Retail Applications

- On-floor call boxes allow customers to indicate that they need assistance, sending a text alert to the appropriate staff person's wireless Avaya phone. If there is no response, the system can automatically send out a general alert.
- Employees can check inventory levels remotely, enabling them to respond rapidly to customer inquiries.

Healthcare Applications

- Avaya wireless telephone systems integrate with healthcare-specific applications, such as telemetry, patient monitoring, and alarm systems.
- Nurse call integration offers text display of patient, room and call status, call back to patient rooms, forwarding to an alternate caregiver, patient assignment by shift, and more.

Depending on your business's needs, Avaya in-building wireless solutions can be used to create custom applications enabling your organization to work smarter and more efficiently.

A Choice: DECT or WLAN

Avaya offers both WLAN and DECT solutions to meet a variety of needs, allowing you to select the best choice for your needs.

DECT offers a secure, dedicated voice-only network in an assigned frequency band to minimize or eliminate interference. It also requires significantly less planning and is consequently more easily scalable. DECT handsets tend to be low-cost. However, since it is optimized for voice, DECT offers lower data bandwidth to the handsets making it appropriate

Avaya 3631
IP Wireless Telephone

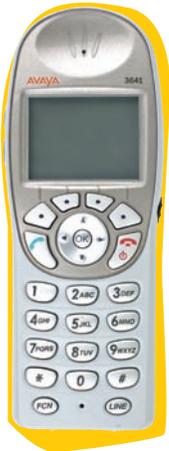


Avaya 3701
IP Wireless Telephone



Avaya 3711
IP Wireless Telephone





Avaya 3641
IP Wireless Telephone



Avaya 3645
IP Wireless Telephone

for basic, text-based applications. Feature support for text-based applications is planned for the 2008 timeframe. DECT requires installing and maintaining a separate wireless network. DECT should be considered for environments containing many other types of wireless devices, such as RFID equipment or scanners, which may interfere with each other.

WLAN offers a converged voice and data network, requiring maintenance of only a single network. WLAN handsets offer higher data bandwidth. However, with WLAN, handsets may be a more significant cost and require additional planning to ensure optimal voice quality and coverage, compared with DECT. Due to differences in the radios and algorithms, WLAN handsets also offer less standby/talk time when compared with DECT.

WIRELESS STANDARDS COMPARISON	
WLAN	DECT
Supports data and voice on one network	Optimized for voice; limited data capabilities
802.11b/g networks operate in the 2.4 GHz band	Dedicated frequency band at 1.9 GHz; marginal interference
Established protocols for roaming and handover. Security and QoS standards are effective and maturing.	Mature and robust mechanisms for roaming, handover, encryption and security
Supports 3 to 12 channels per cell	Supports 120 non-overlapping channels
Shorter standby/talk time	Longer standby/talk time
Requires careful planning to ensure effective data and voice coexistence on common network.	Easy setup and maintenance; operates independent of existing WLAN network

When considering a wireless solution for your business, it's best to start by assessing your current communications solutions:

- Do you already have a wireless network in place at the location where you would like to add wireless voice capability?
- Is your existing network of sufficient bandwidth and quality to support voice traffic?
- Does your existing network reach everywhere in the building that voice communications are required?
- What degree of re-architecting will be needed to bring that network up to the necessary standards?
- What is the relative importance of attributes such as coverage, reliability, security and voice quality?
- Do you want to standardize on a single handset or do different groups of workers have specific needs?
- Are you planning to maintain a converged voice and data wireless network or two separate networks?
- To what extent are you looking to customize your system with specific applications?

An Avaya Network Assessment can help you answer these questions and uncover the necessary information and help you make a smart decision about how to choose your in-building wireless solution.

A Spectrum of Solutions to Meet Your Needs

Avaya in-building wireless voice can help increase your company's responsiveness and productivity – and raise customer satisfaction. The right solution for your business depends on your particular needs and situation.

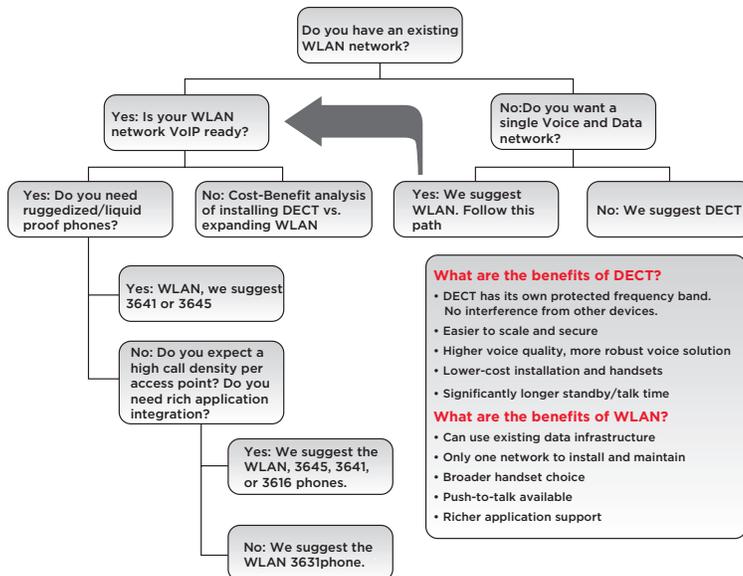
Avaya 3641 and 3645 (WLAN)

These specialized handsets are designed for mission-critical WLAN voice applications. Compatible with 802.11a, b and g, these secure, reliable handsets are highly durable and feature extended battery life.

- Rugged handset: Can withstand repeated dropping on hard surfaces
- Resistant to liquids and dust to IP53 standard
- Up to 8-hour talk time on a single battery – can last an entire shift
- Support text messaging, call boxes, nurse call and other applications through the Open Application Interface Gateway
- Perfect for environments where workers rely on this as their main communication device, such as retail, healthcare, and manufacturing.
- Requires an AVPP (Avaya Voice Priority Processor) server for each location.

DECT or Wi-Fi

Use this helpful guide to help you decide



Avaya 3631 (WLAN)

This value-priced, general purpose in-building wireless voice solution runs over your existing wireless LAN (WLAN) and is compatible with both the 802.11b and g standards.

- No additional servers required
- Supports standards-based WLAN protocols
- Easy to use, intuitive Avaya one-X handset interface requires little training
- Integration with Avaya Communication Manager, complimentary to the Avaya one-X Deskphone 9600 family of phones.
- Perfect for campus roamers such as IT staff, building services and maintenance, security personnel, administrative assistants
- The 3631 works with any Access Point that supports WMM basic.

Avaya 3616 (WLAN)

Value-priced, office environment phone that is compatible with the 3641 and 3645 solution and with 802.11 b, this phone can use the same Quality of Service and application integration interface of the 3641 and 3645 phones.

- Support text messaging, nurse call and other applications through the Open Application Interface Gateway
- Perfect for use in office environments with the 3641 and 3645 phones installed in other areas

- Requires an AVPP (Avaya Voice Priority Processor) server for each location.
- Our solutions have been tested with both industry leaders Aruba and Meru among other vendors.

Avaya 3701 and 3711 (DECT)

These value-priced handsets provide high security, high-quality voice communications over a dedicated, encrypted wireless network. Compatible with the Digital Enhanced Cordless Telephony (DECT) standard, the solution is already widely used in Europe and is now fully approved for use in the U.S.

The Avaya IP DECT solution is highly scalable, with ability to scale to 32 base stations and 128 handsets for small and midsize systems and up to 256 base stations and more than 10,000 handsets for large enterprise solutions.

- Easy to design, install and maintain wireless network
- High security and excellent voice quality
- Will not interfere with existing wi-fi solution
- Can handle a large number of simultaneous voice communications
- 3711 handset supports multiple languages including Danish, Dutch, English, Finnish, French, German, Italian, Portuguese, Spanish, and Swedish
- 3701 supports all the above plus Czech and Norwegian
- 3701 is not available in North America
- Excellent range and battery life

- Perfect for companies maintaining separate wireless voice and data networks
- Avaya enables complete enterprise coverage by offering both an indoor base station, the RFP32, as well as an outdoor base station, the RFP34.

in-building wireless and general mobility solutions, delivering complete service and support directly as well as through a worldwide network of BusinessPartners.

Learn More

To learn more about Avaya in-building wireless voice solutions, please contact your Avaya Client Executive or Avaya Authorized BusinessPartner or visit avaya.com.

Avaya: A leader in In-Building Wireless Voice Solutions

Avaya is a global leader in communication systems, applications, and services. We offer a wide range of

Mobility Solution Guide				
	 Teleworker	 Road Warrior	 Campus Nomad	 Hot Desking
IP Softphone	■	■		
Avaya one-X™ Desktop	■	■		
VPN Phone	■			
Avaya one-X Portal	■	■		
Extension to Cellular	■	■	■	■
Avaya one-X Mobile	■	■	■	■
Avaya one-X Mobile Dual Mode		■	■	
Avaya one-X Speech	■	■	■	
Modular Messaging	■	■	■	
IP DECT Solutions			■	■
IP Wireless Telephones, WLAN			■	■
900 Mhz Telephones			■	
IP Softphone for WM5			■	
Enterprise Mobility User				■
Headsets	■	■	■	■

About Avaya

Avaya delivers Intelligent Communications solutions that help companies transform their businesses to achieve market-place advantage. More than 1 million businesses worldwide, including more than 90 percent of the FORTUNE 500®, use Avaya solutions for IP Telephony,

Unified Communications, Contact Centers and Communications Enabled Business Processes. Avaya Global Services provides comprehensive service and support for companies, small to large. For more information visit the Avaya Web site: <http://www.avaya.com>.

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