



- 1** Phone system
- 2** Network server
- 3** Message center

Allworx[®] VoIP Phones



The phones that listen.

What do you want from a phone? The ability to make calls over the Internet or a standard phone line? Flexible performance as a PBX or Key system unit? Portability between home, office and remote sites? Whatever you need, Allworx VoIP phones are listening!

Allworx® VoIP phones

The phones that listen

Allworx phones are the most flexible, easy-to-use phones on the market.

Keep it simple

Now you can communicate and collaborate like a large corporation. Our feature-rich phones are specifically engineered to be easy to use. For example, while other VoIP phones require multiple steps to access common features like conference calling or voicemail, Allworx has made the phone's most powerful features directly accessible through dedicated buttons.

Customize your features

Allworx VoIP phones let you create your own mix of traditional and new calling features, from button-activated phone lines to Voice over Internet. You can program features for the whole company, your team, or just yourself. Carry the phone wherever you go and your settings stay the same. No other phones are this flexible!



Lower your costs

Allworx phones help you control communication costs. Reduce your long distance charges dramatically by routing calls through multi-site Allworx systems in regional locations. Use a dedicated VoIP service and pay one low monthly fee for all local and long distance calls. The possibilities are endless!

Beat the competition

Allworx phones represent a quantum leap in power and flexibility. They set a new standard, with features that no other VoIP phones have—all at a lower price. Our built-in switch even lets you use your PC's existing Internet connection for your phone, reducing wiring costs and installation time. Our innovations help you to easily make the most of new VoIP technology—giving you a competitive advantage!

Finally...exciting, new technology designed specifically for the small business!

VoIP that travels

Remote locations. With an Allworx VoIP phone and an Ethernet connection, you can:

- Be a virtual "extension" of the office.
- Talk to any office site with an Allworx system— incur NO long distance charges.
- Use your personal settings from any location.



Imagine the increased productivity!

Multi-site calling

Multi-site. With Allworx phones and an Allworx system in each of your office locations, you can:

- Incur NO long distance charges between sites.
- Merge multiple sites with one system. Transfer calls between sites—the caller will never notice.

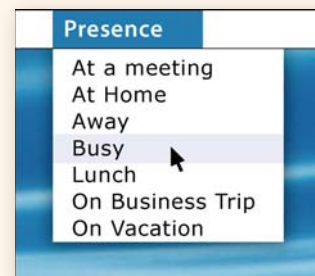


Imagine the immediate cost savings!

Presence management

Follow-me calling at your fingertips. You can change your call routing "presence" instantly, using:

- Any phone to call your voicemail.
- Softkeys and display on your Allworx phones.²
- Easy dropdown menu on your PC.



Imagine the ease and convenience!

VoIP: The smart phones

Step into the future of voice technology with powerful Allworx phones.



You can send and receive calls over your broadband Internet connection, dramatically reducing long distance charges.

For more information on VoIP, as well as actual case studies showing how Allworx works in customer offices, visit www.allworx.com.



What is a VoIP phone?

A VoIP phone is much like any other phone on the outside, but inside, it's very different. It uses Voice over Internet Protocol (VoIP) technology to send calls over network lines instead of phone lines.

How does it work?

Allworx VoIP phones connect to the network with an Ethernet cable. When you place a call, it goes out over your network to an Allworx system. The system then sends the call out over either standard phone lines or broadband—we support both. When calls come in, the process is reversed. The process is the same for remote users connected to an Allworx 6x and 10x.

What are the main benefits?

VoIP phones are a part of the network—no need for a separate phone system. Phone numbers are assigned to individuals rather than physical locations—no need for separate office, cell phone and pager numbers. Our VoIP phones are portable, so you can take them home (or to any remote site) and save big money on long distance charges.

Is it based on a PBX or Key system?

Allworx VoIP phones are the first to truly emulate both Key and PBX behavior, giving you new technology with a look and feel you know—making the transition to VoIP easy. Whatever system your office has, you can set your phone to behave like a Key or PBX system, or a mix. It's *your* choice.

Chameleon behavior

With Allworx VoIP phones, you can change phone behavior to suit your needs: emulate PBX or Key system behavior, mix and match, or change it on the fly.

Key system behavior

- Push a button for a specific outside line; incoming calls illuminate that line's button.



- One incoming call can go to many people.

PBX system behavior

- Calls are routed to an extension by a phone system (e.g. 10x or 6x) in your office.



- One person can handle many incoming calls.

Allworx® VoIP phones

Model 9112

The 9112 is a sophisticated and flexible top-of-the-line phone—perfect for executives, office managers, administrative assistants, and active employees who make and receive a high volume of calls.

Powerful programmable features

With twelve Programmable Feature Keys and supporting up to twelve lines, the Allworx 9112 phone is a powerhouse communication tool. The 9112 can be programmed for any combination of PBX Call Appearance, Key System Line Appearance, Queue Appearance, speed-dialing, direct station dialing, and busy lamp field. Other phones might offer programmable feature keys, but none have this level of versatility—giving **you** the power to create the phone that fits you best.

Allworx 9112 VoIP phone



Allworx fits every need

Call Appearance (PBX behavior)

On PBX systems, incoming calls are directed to extensions. Allworx phones allow you to manage these calls with Programmable Feature Keys. You could assign keys to represent different extensions, such as Sales, Accounting and yourself. Each key lights up as calls come in, allowing you to correctly identify and answer the calls. Call Appearance is the best choice when one person is answering many extensions.

Speed dialing

Phones can be programmed to automatically dial frequently called numbers, both internal and external.

Line Appearance (Key behavior)

In Key systems, an outside line connects directly to a phone. This approach works very well for multi-tenant or retail businesses whose employees pick up calls from any phone (e.g. “Bob, there’s a call for you on line three”). Line Appearance give direct access to each line independently and immediately, and is the best choice when many people handle the same call across multiple phones.

Busy lamp field

From your phone, you can monitor the status of another phone by using a Programmable Feature Key.

Queue Appearance³

Answer incoming calls from various queues by assigning Programmable Feature Keys to represent specific call queues. The Allworx system supports up to ten different queues. The system automatically recognizes which phones are assigned and available to each queue.

Direct station selection

Automatically opens an intercom connection to any other phone on the network by creating a direct link between phones.

Allworx VoIP phones adapt to the unique needs of your business and employees, saving you time and money—and improving communication.

Model 9102

If you want the power and cost efficiencies of VoIP but don't have a high call volume, the 9102 is right for you. It has a sleek, compact design and is extremely easy to use. Just plug it in and start saving!

The streamlined solution

With two Programmable Feature Keys and supporting up to two lines, the 9102 combines the power of VoIP with ease of use. Like the 9112, this phone can be programmed for any combination of PBX Call Appearance, Key System Line Appearance, speed-dialing, direct station dialing, and busy lamp field. Its compact size fits neatly on your desk. The 9102 is unobtrusive and convenient, and the easy-to-read screen gives you clear information about incoming calls.

Allworx 9102 VoIP phone



Feature comparison

Feature	9112	9102
Adjustable stand — multiposition or wall mount	•	
Call history/ Missed calls	•	•
Caller ID	•	•
Call waiting — displays caller information on LCD	•	•
Check messages button	•	•
Conference call button — up to three callers	•	•
Distinctive ring types — distinguishes different types of calls	•	•
Do Not Disturb button — eliminates interruptions	•	•
Headset jack	•	•
Hold button	•	•
Info button — accesses on-screen help	•	
Intercom button — connects to other extensions	•	•
Maximum number of lines — calls per phone	12	2
Mute button	•	•
Programmable Feature Keys	12	2
Redial	•	•
Release button — relinquishes line without hanging up	•	•
Speakerphone — Full-duplex sound allows simultaneous talking	•	•
Speakerphone button — activates microphone and speaker	•	•
TAPI support — integrates phone and computer ²	•	•
Transfer call button	•	•
Visual ring indicator	•	

How can I customize my Allworx VoIP phone?

There are three options— just choose the ways that work best for you. And remember, you can always change your mind later. Your phone can be customized in any combination of:

- *Personal preference*— speed dialing, specialized rings, display information, and message waiting light,
- *Function*— Key (Line Appearance), PBX (Call Appearance), PIN numbers, call privileges, and custom dialing plans,
- *Location*— used locally, remotely, or in special ways (for example, a direct line from a client site or contractor).

Allworx VoIP phones offer an incredible set of features at a price less than the competition. That's a hard offer to pass up!

Allworx® VoIP phones

The Allworx systems supercharge your phones

Allworx VoIP phones offer rich features and incredible savings at a great price. For even better productivity and cost efficiency, connect your phones to an Allworx 6x or 10x system.

The Allworx Systems

The Allworx systems are state-of-the-art communication systems that integrate a sophisticated phone system, a robust data network and software productivity tools, all working together to increase employee productivity and business revenues. Designed for companies with up to 100 employees per site, Allworx improves communications while simultaneously reducing costs.

A perfect match

The Allworx VoIP phones were created by the same engineers who created the Allworx systems. These phones are designed to interact with and enhance the Allworx systems, optimizing your investment and giving you the features you need to supercharge your business communications.

Seamless integration

Allworx phones work seamlessly with the Allworx systems to provide a fully integrated communication solution. With a complete system, you can:

- View information about incoming calls on your computer.

- Search the company directory from your phone.
- Dial from your computer using the contacts you've already set up.²
- Page someone within a zone without any third-party tools or devices.
- Queue up calls so they are answered in the order received.³
- Change your presence by selecting any of seven status indicators.
- Easily let others know if you're in or away, at a meeting, or on a call.
- Check and respond to email over the phone using the text-to-speech capabilities. (10x only)
- Use Allworx phones in conjunction with the systems software-based live answer position — allowing operators to monitor and manage incoming calls.³

System administration

System administrators can configure all phones directly from their offices with the easy-to-use browser interface software tool included in the Allworx system. The software includes templates that make it effortless to replicate settings across groups of phones, and automatically recognizes new phones as they're added to the network. There is no longer any need to go desk-to-desk, interrupting employees and disrupting business, just to configure the phones—they can even be rebooted remotely!



Allworx 10x



Allworx 6x

At a glance

You'll understand why Allworx VoIP phones are so popular when you read the feature list and see our price. For more information, call 1-866-ALLWORX or visit allworx.com.

Technical specifications

Overview

- Voice over Internet Protocol (VoIP) phone using SIP protocol.
- Supports twelve telephone lines [Model 9112] and two telephone lines [Model 9102].
- Integrated with Allworx 6x and 10x systems and Allworx software features and capabilities.
 - Integrated presence management settings.
 - Integrated Allworx business directory for inter-company dialing.

User configurable settings

- Ten personal speed dials from keypad (in addition to the option of assigning speed dials to the PFKs).
- Three dynamic soft keys, scroll up/down keys, and Select key that guide user through menus.
- Redial / Call Back / Call History.
- Hold reminder.
- Message waiting indicators (audible and visual).
- Display contrast.

Display

- Large graphical LCD screen provides scrollable information [Model 9112 only].
 - Resolution: 128 x 64 pixels
 - Dimensions: 2.25" x 1.25"
 - Font size: 8 pt and 12 pt
 - Number of lines: up to eight lines of text
- Caller ID — shows name and phone number of incoming caller (as available).
- Displays multiple simultaneous calls — scroll between calls on hold.
- Two clocks — Call Timer and Time of Day.
- Date display.

Administration¹

- Customizable templates for quick installation and configuration.
- Programmable dialing plan.
- Server commanded auto-reboot & manual reboot.
- Automatic software upgrades for phones.
- Status log.
- Phone security options.
- Factory test and diagnostics support.
- PC integration and remote control (TAPI).²
- The Programmable Feature Keys (PFKs) are configured specific to each system station and are customizable based on end user needs.
- Mix PBX and Key phone features per system, group or phone.
- Automatically reassign user settings when replacing phone(s).
- Online installation instructions.

Features

- Visual ring indicator [Model 9112 only] — flashing indicator is visible from all angles.
- Presence management — view and modify Allworx presence settings from your phone, integrated with Allworx software.¹
- Zone paging — make intercom announcements over all Allworx phones in a specific zone.¹
- Music on hold — background music support.^{1,3}
- Centrex/CO flash (international support).¹
- Remote SIP capability — access an Allworx phone and reset changes or have it authenticate to an Allworx system.¹
- Non-volatile user settings — will not lose settings if power is lost.¹
- Call history.
- Missed calls record.
- Call queuing — when all lines are busy, incoming calls hear a special message and are answered in consecutive order. System supports up to ten queues.^{1,3}
- TAPI functionality — contact information about incoming calls appears on computer, allowing you to answer it in hands-free mode by clicking a button; outgoing calls can be initiated in hands-free mode by clicking a button in the contact screen.²
- Hearing Aid Compatible (HAC) handset (meets American Disabilities Act requirements) and HAC compliance for magnetic coupling to approved HAC hearing aids.
- Handset cord expandable up to nine feet.
- High quality full duplex speakerphone.
- Built-in headset jack (2.5 mm).
- IP address assignment — DHCP client or statically configured.
- G.711 and G.729a audio compression.
- Line labels for easy reference [Model 9112 only].
- Download firmware updates from any Allworx system.
- Case is sturdy textured black ABS plastic.
- Wall mountable.
- Tilt base with different angle positions. (9112 only)
- Two integrated 10/100 Ethernet switched ports.
- Quality of Service (QoS) — supports VLAN capability, Call Admission Control (CAC), DiffServ, and priority queuing.¹
- Directory Dialing — access all users' extensions via phone display and auto dial.¹
- Speed dials — 1000¹ programmable, company-wide speed dials¹ and ten personal speed dials per user.

Phone buttons

- 12 illuminated Programmable Feature Keys [Model 9112] or two illuminated Programmable Feature Keys [Model 9102] for any combination of Call Appearance, Line Appearance, speed-dialing, direct station selection, and busy lamp field.
- Help and user info [Model 9112 has Info Button, Model 9102 accesses Info using Programmable Feature Key] — context sensitive information about all buttons on the phone, including Programmable Feature Key settings and personal speed dial information; provides additional information during active calls.
- Messages — used for fast access to the message center; this button is illuminated RED if new voicemail messages have arrived.
- Call transfer — allows for both attended and unattended (blind) transfers.
- Three party conference — supports 3-way calling.
- Station to station intercom — initiate a call to another Allworx station.
- Volume control — for full duplex speakerphone, handset, headset and ringer.
- Mute — turns off the microphone of the speakerphone, handset, and headset.
- Do not disturb (DND) — phone will receive no calls (calls follow current presence routing).
- Call hold — station-exclusive hold operation.
- Call park — system-wide hold which can be picked up at any other station (only available in Line Appearance mode).

Electrical and regulatory information

- Power options:
 - 24V DC adapter, supplied locally at the desktop using the included AC to DC power supply.
 - Power over Ethernet (PoE) 802.3af.

Height and weight

- Model 9112 dimensions: 9" H x 7.5" W x 8" D (22.9 x 19 x 20.3 cm)
- Model 9102 dimensions: 7.75" H x 7.5" W x 8" D (19.7 x 19 x 20.3 cm)
- Model 9112 weight: 2.3 lb (1.04 kg)
- Model 9102 weight: 2.1 lb (0.95 kg)

Options

- Headset.

Warranty

- One year limited warranty from date of purchase.

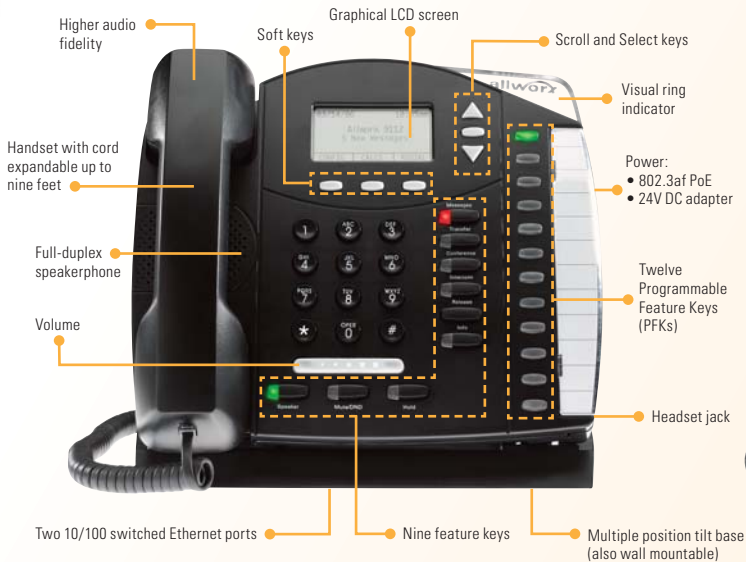
1. When used with an Allworx system.
2. Available Q4 2006.
3. Sold as an option.

Allworx[®] VoIP phones
The phones that listen.

These sleek new phones don't just look good — they meet your needs for today and prepare you for tomorrow. With Allworx phones, you hear the future.

Allworx 9112 VoIP phone

Allworx 9102 VoIP phone



For a full description of 9112 and 9102 features turn to page 7.

Allworx 6x and 10x systems increase the power of your Allworx phones. The Allworx systems are state-of-the-art communication systems that integrate a sophisticated phone system, a robust data network and software tools, all working together to increase employee productivity and business revenues. Designed for companies of up to 100 employees per site, the Allworx systems work hand in glove with your Allworx phones to achieve breathtaking savings in time and money.



Phone system

- Full PBX & Key system
- Voice over Internet
- Multi-site access
- Remote user
- Unified messaging



Network server

- WAN access
- Email/web server
- LAN network
- Internet security
- Full redundancy



Message center

- Group calendaring
- Meeting reminders
- Contact management
- Email software
- Group collaboration