

Allworx[®] 6x Product Specifications



Communication systems designed exclusively for small businesses

1

Phone system

- Full PBX & Key System
- Remote User
- Site-to-Site Access
- Unified Messaging
- Voice Over Internet

2

Network server

- Automated Back-up
- Email/Web Server
- Internet Security
- LAN Network
- WAN Access

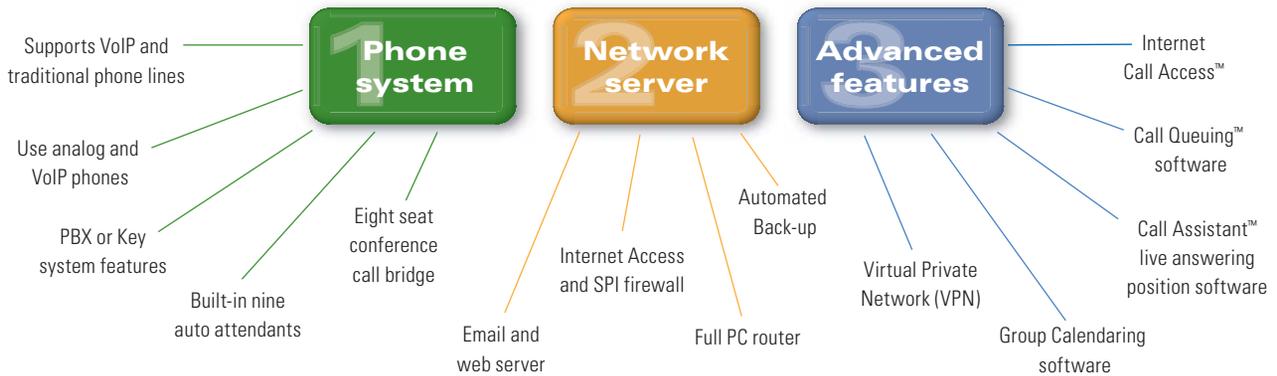
3

Advanced features

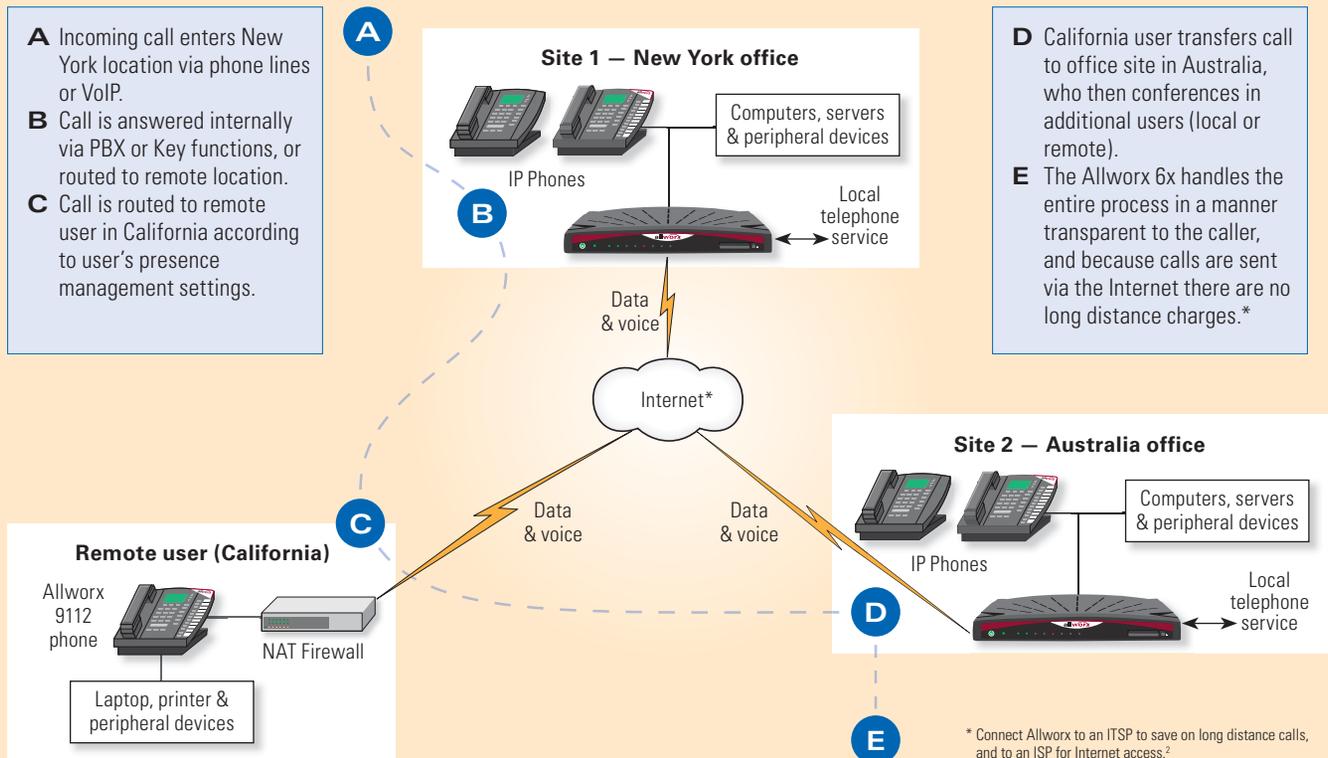
- Call Assistant™
- Call Queuing™
- Group Calendaring
- Internet Call Access™
- VPN

Designed for companies with up to 30 users who want the benefits and cost savings of a high-end communications system, without disruption to their business or compromising on features.

Allworx is a state-of-the-art communication system that integrates 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 30 users per site, Allworx improves communications while simultaneously reducing costs.



How it works



Phone system

With its flexibility and expandability, VoIP and multi-site calling capability, remote user, follow-me calling and auto attendants, the Allworx 6x is perfect for modern phone systems.

Technical specifications

Phone interface

- 30 user extensions (e.g. individuals) with voicemail and 30 system extensions (e.g. conference rooms) without voicemail.
- Six standard RJ-11 dedicated loop start FXO ports supporting CO (Central Office) lines, expandable up to 30 lines.³
- Two standard, dedicated RJ-11 FXS ports for analog phones or fax.
- VoIP capable (Voice Over Internet Protocol).
- Supports SIP 2.0 (Session Initiation Protocol) for VoIP.
- Allworx supports both analog and VoIP phones—any combination up to 30 users. System supports up to two analog handsets on unit. Expansion unit required for additional analog handsets.³ All VoIP phones are connected on the network LAN.
- Fax machine support—creates dedicated line without requiring new CO line; system automatically utilizes line for outgoing calls when not in use.
- Power Fail Phone Port for a dedicated analog phone ensures connectivity during power failure.
- Industrial strength surge protection built into all analog ports.
- TAPI compliant—automatic dial/caller ID pop-ups.⁵

Internet Telephony Service Providers (ITSP)²

- Connect the Allworx 6x to an ITSP and drastically reduce phone charges.
- Supports both ITSP and traditional phone lines (Central Office lines) simultaneously.
- Apply different dialing rules to different telephone services (i.e. ITSP vs. local telephone company).
- SIP Appearance functionality with incoming and outgoing VoIP calls.
- Allworx 6x is compatible with various ITSPs.²

Multi-site calling¹

- Each Allworx 6x can connect to other Allworx units—supports up to 100 sites.
- Calls between offices are free over the Internet—no ITSP required.
- Calls can be seamlessly transferred between sites.
- VPN software not required.

Conference Calling

- Built-in eight seat conference bridge.
- Each IP phone on the network can support its own three-way conference call.

Presence management

- Each phone user gets seven unique phone Presences (In Office, At A Meeting, On Vacation, On Business Trip, At Home, Away, Busy).
- Current presence is displayed on Allworx phones and built-in Allworx Intranet site for other users to see.
- User can “toggle” between presence settings via Allworx phone display, voicemail, Allworx Intranet site or Allworx Group calendaring software.
- Each presence setting has its own calling routing structure that can be changed at any time.
- Call routing structure can be changed by the Allworx System Administrator or user via the Group calendaring software.
- Call route can end with outside call (e.g. cell phone).

Unified messaging

- Receive, review and respond to all email, voicemail and meeting requests in one InBox.
- Listen and respond to voicemail messages via PC.
- Supports and consolidates multiple email accounts and phone extensions per user.
- Supports voicemail notification to cellular text messaging services.
- Six hours of voicemail (with 256 MB Compact Flash).
- Additional voicemail storage available via external USB hard disk.¹
- Compatible with any POP3 email client.

Remote users

- Remote users connect to Allworx 6x via Internet.⁸
- Remote plug-n-play with Allworx VoIP phones.
- After initial setup, remote Allworx phones connect easily to Allworx 6x with minimal user intervention.
- Remote Allworx phones can:
 - be programmed from main office
 - receive calls from queue(s)
 - use Intercom feature
 - access main office’s local phone line from any location (call from overseas at local rates)
 - operate without additional VPN or VoIP license
 - access all other main phone functions (Direct Station Selection, Busy Lamp Field, Line Appearances, Call Appearances, SIP Appearances, Queues).
- Non-Allworx phones will work and have similar functionality, depending type of phone used.⁶

Auto attendant

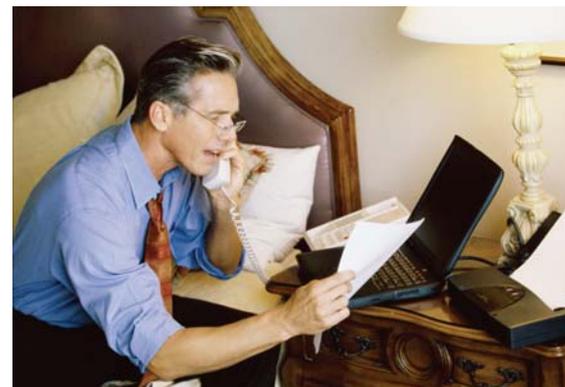
- Nine unique auto attendants.
- Time-dependent Auto Attendant routing options for open and after business hours.
- Compatible with Music On Hold and Overhead Paging systems.³
- Auto attendant can be fully customized.

Follow-me calling

- Routing can follow multiple phones and ultimately connect to an outside line (including cell phones).
- Establish seven unique phone presences, each with its own routing rules and filters.
- Change presence routes via phone display, voicemail, Allworx Intranet site, or Group calendaring software.
- Filter rules drive routing paths based on incoming Caller ID.

Voicemail

- Listen to and manage voicemail in your email InBox or over the phone.
- Reply to voicemail with email; include voicemail in outgoing email message as an attachment.
- Voicemails are automatically purged from phone when managed from email InBox.
- Eight-port voicemail system; date and time stamping.
- Six hours of voicemail (with 256 MB Compact Flash).
- Messages can be listened to, saved, deleted or forwarded to another extension.
- Direct access to voicemail from on and off site.
- Message Waiting and New Call indicators supported through phone and client software.
- Voicemails can be sent to any POP3 email client.



Phone system features continued on back cover

2 Network server

Ultimate SPI firewall security, full PC router, robust WAN access with POP3 and SMTP email, and web hosting with support for HTTP and FTP make the Allworx 6x a powerhouse business server.

Figure 1: Front View

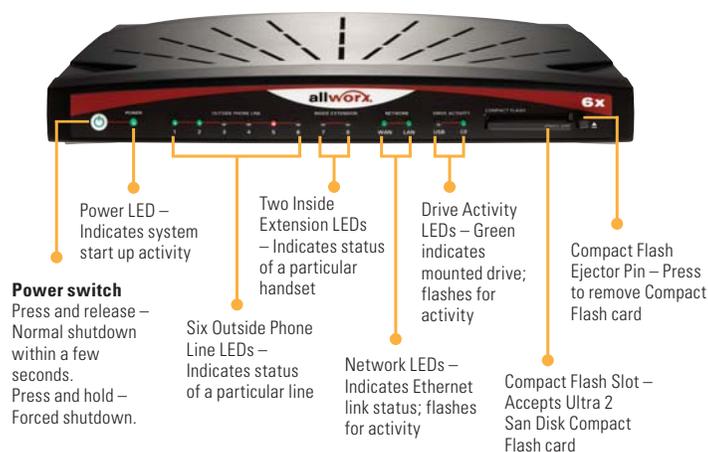
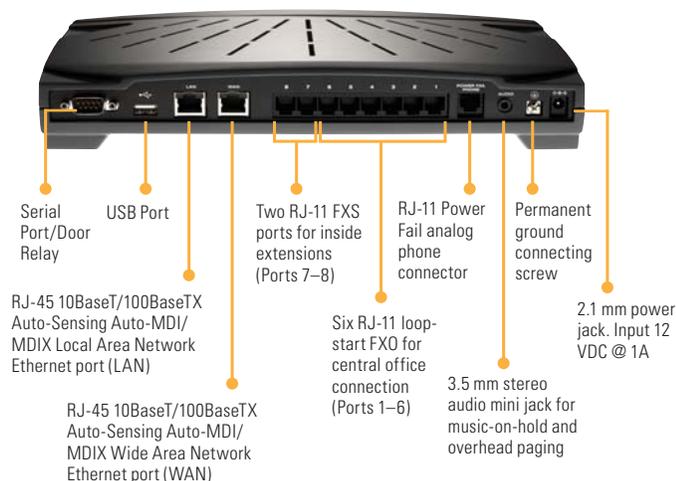


Figure 2: Rear View



Technical specifications

Hardware interfaces

- One RJ-45 10/100 Base-T LAN Ethernet port.
- One RJ-45 10/100 Base-T WAN port for Internet connection from DSL, cable modem or T1.^{8,10}
- Six RJ-11 dedicated loop start FXO ports.
- Two RJ-11 dedicated internal FXS ports.
- One RJ-11 Power Fail analog phone connector.
- One 3.5mm mini jack for Overhead Paging³ and Music On Hold.³
- High capacity Compact Flash card — minimum 256 MB.
- Optional external USB 2.0 hard disk.
- Door Release Relay.
- Overhead Paging Amp Control.

Networking

- Public WAN interface and fully secured LAN subnet.
- Email server — POP3 and SMTP email standards (Requires external USB hard disk option).
- Web server — Intranet and Internet with HTTP and FTP functionality.
- Built-in company Internet and Intranet site.
- DHCP (Dynamic Host Configuration Protocol) server to LAN.
- DHCP client support on WAN.
- Fully integrated DNS (Domain Name Server).
- TCP/IP routing support between LAN/WAN.
- PPPoE (Point-to-Point Protocol over Ethernet) capability.
- Supports classful and classless routing.

Full router and firewall

- SPI (Stateful Packet Inspection) firewall security.
- NAT (Network Address Translation) mode.
- Network port forwarding capability.
- Ethernet-based WAN access direct from DSL or cable modem.
- Static IP, DHCP client, or PPPoE support on WAN.
- DMZ (Demilitarized Zone) mode to protect WAN interface — stealth and normal modes.
- SIP Proxy registration services provided through Allworx.
- Fully functional SPI firewall/router from LAN to WAN.
- Standard data router capability.
- System administration software allows you to set routing tables.

Remote office and multi-site calling

- Allworx phones work automatically as remote phones.
- Connect up to 100 Allworx systems for multi-site calling.¹
- Remote office analog phone capability (compatible with AudioCodes and Cisco ATAs).³

Size and weight

- 12.1 × 1.9 × 7.6 inches (30.8 × 4.8 × 19.3 cm)
- Weight: 3 lbs.

Electrical and regulatory information

- Line voltage: 120V AC.
- Frequency: 60Hz.
- Typical use: 8W.
- Environmental conditions: 0°–40° C, 15%–90% RH, Non-condensing.

Options

- Allworx Call Assistant™¹
- Allworx Call Queuing™¹
- Allworx Group Calendaring.¹
- Allworx Internet Call Access.¹
- Analog and VoIP phones.^{1,3}
- Analog Station Gateways.³
- CO Line Expansion Units.³
- USB External Disk.¹
- Music On Hold.³
- Network Switches.³
- Power Over Ethernet.³
- T1/PRI Gateways.³
- Uninterruptible Power Source (UPS).³
- Virtual Private Network (VPN).¹

3 Advanced features

Allworx provides Advanced Feature options to help your business increase its productivity, efficiency and customer response.

Technical specifications



Group Calendar¹

Calendar^{ing}

- Individual calendars — each user defines who can view their calendars.
- Group calendaring across all users (local and remote) — automatically identifies open schedule times, can send batch meeting invitations.
- System tracks accepted and declined meetings.
- System automatically updates attendees' calendars.
- Manage facility resources (reserve conference rooms, projectors, etc.).
- Calendar appointments are flagged in email InBox.
- Popup reminders for appointments.
- Travel times tracked with meetings.
- Meeting notifications can be sent to external individuals or groups not using Allworx.
- Supports recurring, private and public meetings.
- Supports attachments and notes to calendar appointments or notices.
- Month and day calendar views.

Automatic Allworx Intranet

- Allworx automatically generates a company Intranet site containing web pages with user calendars, access to shared folders, phone extensions, user's current presence status, company directories, and other useful information.

Contact management

- Users manage their own contact information.
- Shared contact information (employee and client) is automatically updated in everyone's database.
- Contacts can be private or public.
- Contact database can be exported to Microsoft Excel.
- Import records in comma-separated (.csv) format.
- Company directory automatically updates to each user's contact database for shared contact information.

Email⁹

- Receive, review and respond to email.
- Supports HTML, RTF and text-only formats.
- Tools include spell checker, thesaurus, preview panes, send/reply/forward, and more.
- Messages are identified by priority status and type (email, voicemail or meeting request).
- Create custom folders to organize messages.
- Automatic notification if email delivery is delayed.
- Supports multiple mail domain names.
- Works with Microsoft Outlook/Express and most other POP3 email applications.
- Distribution lists (voicemail and email).



Call Assistant^{1,4}

- Live answering position.
- Software tool; works in conjunction with any Allworx phone.
- All key calling functions available via software — answer, release, hold, transfer, park, etc.
- View status of all users.
- Manage outside lines, auto attendants, queues, parked calls, monitors, etc.⁵



Virtual Private Network (VPN)¹

- VPN (Virtual Private Network)¹ — PPTP (Point-to-Point Tunneling Protocol) security.
- PPTP-based VPN for up to 16 simultaneous users.¹
- One VPN license comes standard for the system administrator.
- Access Allworx remotely via VPN and get full functionality (email, calendaring, directory, etc).



Internet Call Access¹

- Internet Call Access using SIP protocol:
 - Multi-site connectivity
 - Users access Allworx VPN through Microsoft's Network Connection Tool
- Multi-site calling does not require an ITSP service.
- Internet Call Access needed to connect the Allworx system to an Internet Telephony Service Provider (ITSP).²

Call ID	Account	Amount	Call Duration	Call Status
1001	Account 1	00:04	00:04	Completed
1002	Account 2	00:03	00:03	Completed
1003	Account 3	00:27	00:25	Completed
1004	Account 4	00:05	00:05	Completed
1005	Account 5	00:05	00:05	Completed
1006	Account 6	00:10	00:10	Completed
1007	Account 7	00:07	00:04	Completed

Call queuing^{1,4}

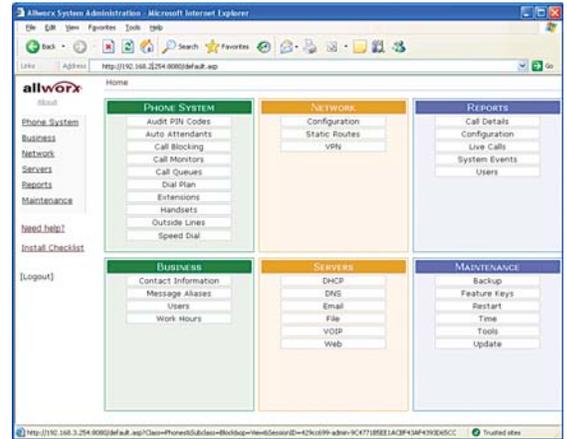
- Ten queues supported with up to 16 calls across all queues.
- Eight calls available for each queue.
- Customizable queue messages.
- View continuously updated queue status on your PC (number in queue, longest wait time, average wait time).
- Call Details Report available — export to Microsoft Excel for further analysis.
- All phones logged into the queue will ring when a caller is in queue, first one to answer gets the caller.
- Remote users can participate in queue.
- Each phone can be set to ring after:
 - X number of callers in queue
 - Caller(s) have waited longer than X seconds.
- Phones can answer multiple queues.

Allworx system administration

The Allworx 6x — a powerful and flexible convergence technology device — has an intuitive and easy-to-use user interface. Every Allworx 6x comes standard with software that makes even the most complex system administration tasks easy to do.

Technical specifications

- All administrative functions (system, setup, diagnostics) are accessible via browser-based interface.
- Setup and management of entire system done via single interface: phones, networks, servers, users, maintenance and reports.
- Moves, Adds and Changes are implemented via easy and intuitive interface.
- Allworx software upgrades are quick and easy.
- Includes on-line, easy-to-follow installation steps.
- Fully controlled restore and backup functionality with Allworx OfficeSafe™.
- Remote VPN Administrative access.
- Central management of company/employee settings.
- Spam blocker setup by Admin to select from free or pay-per-use spam block list services.³
- Software key enabling of features and options.
- Online help functions built in.
- View and manage email queue.
- Flexible call routing:
 - Select routes to other sites, or route calls directly to the lowest cost long distance provider
 - Create virtual extensions for remote users
 - Create virtual organizations.



Refer to Allworx System Administration brochure for more information.

Phone system features continued from page 3

Industry compatibility

- Fully supports selected VoIP phones, including Cisco (7960, 7940, 7912 and 7905), Grand Stream (SIP-based) and others.^{3,7}
- Compatible with WiFi VoIP phones including Hitachi (5000), UTStarComm (F1000) and others.^{3,7}
- Compatible with softphones, including Instant Expressa, EyeP Media and xTen.³
- Supports G711 and G729 endpoint connections.
- Compatible with ITSPs (Internet Telephony Service Providers).²
- Supports SIP 2.0 (Session Initiation Protocol).
- Compatible with any POP3 email client.

Security

- Outbound call control with PIN codes and system-wide blocking.
- Password protection at both user and administration levels.
- Call detail reporting of all phone system activity with easy export to Microsoft Excel or any standard spreadsheet program for further analysis.
- System backup and restore — automatically saves configuration attributes, voicemail and email messages.

High end calling features

- Built-in eight seat conference bridge.
- Each Allworx phone on the network can support its own three-way conference call.
- Programmable dialing plans route your calls to the lowest cost long distance provider.
- Broadcast message capability — internal or external distribution lists.
- Call Viewer — Client software to view the handsets, CO lines, parked calls and call queues.
- Powerful call control functions, including:
 - Audited outside line access
 - External call diversion
 - Call blocking
 - Flexible numbering plan
 - Call forward and transfer
 - Hunt groups
 - Call hold
 - Internal extension distinctive ring
 - Call monitors
 - Multiple line access
 - Call park and retrieve
 - Operator manager
 - Call pickup
 - Overhead paging³
 - Call Queueing^{1,4}
 - Parking orbits
 - Call routing
 - Prepending digits
 - Call waiting
 - Private lines
 - Caller ID
 - Redial
 - Dial by name or extension; dial from directory
 - Speed dialing
 - Distinctive ring
 - TAPI support — automatic dialing and caller ID pop-ups.⁵
 - Do not disturb

Footnotes

1. Sold as an Allworx option.
2. Contact Allworx or your authorized reseller for a list of Allworx-certified ITSPs; fees may apply.
3. Sold as a third-party add-on. Third-party products may be purchased separately or as part of a package.

4. Requires Allworx VoIP phone.
5. Available Q1 2007.
6. Non-Allworx VoIP phones will work, but may need additional equipment (i.e. firewall, ATA device).
7. Contact Allworx or your authorized reseller for a list of compatible phones.

8. Internet access requires a compatible Internet Service Provider; fees may apply.
9. Allworx is compatible with any email application that supports POP3 and SMTP.
10. Third-party SIP gateway or Channel Bank for T1 connection sold as an option.