

Allworx[®] 6x Product Specifications



Communications designed exclusively for small business

1

Phone system

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

2

Network server

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

3

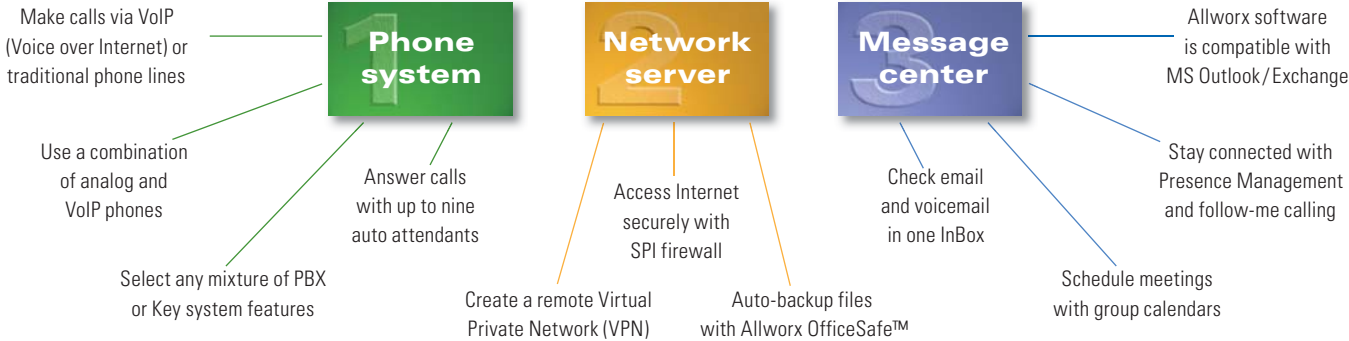
Message center

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

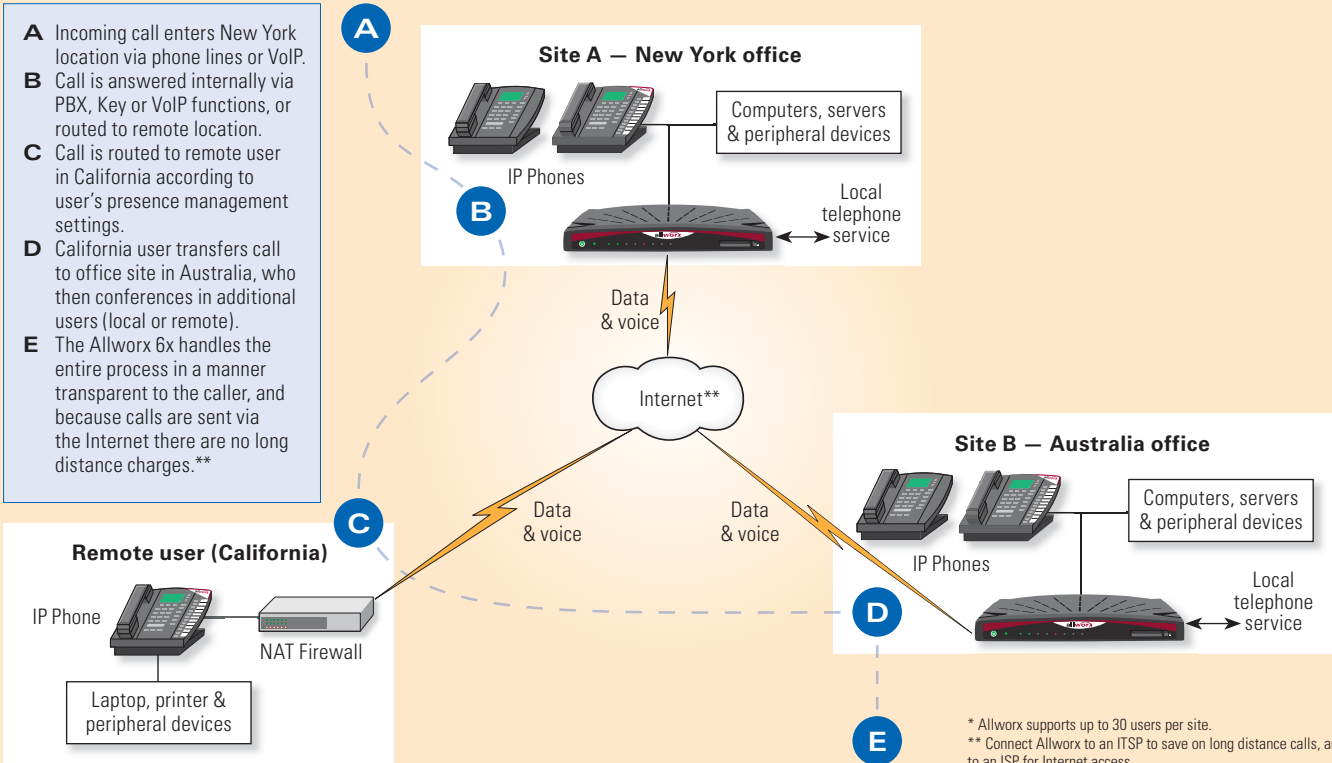
Designed for companies with up to 30 users who want the benefits and cost savings of a high-end communications system, without disruption to their business or compromising on features.

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.

Communications without compromise



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).
- Six standard ports supporting CO (Central Office) line, expandable up to 30 lines¹. RJ-11 dedicated loop-start FXO ports.
- Two, standard, dedicated internal analog stations. RJ-11 FXS ports for analog phones or fax.
- VoIP capable (Voice Over Internet Protocol).²
- Supports SIP 2.0 (Session Initiation Protocol) for VoIP.
- Allworx supports both analog and VoIP phones—any combination up to 30 handsets. 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-ups⁵

Internet Telephony Service Providers (ITSP)²

- Connect the Allworx 6x to an ITSP and drastically reduce long distance 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).
- Allworx 6x is compatible with various ITSPs.

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 always shown on 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 Message Center software.
- Each presence setting has its own calling routing structure that can be changed at any time.
- Call routing structure is changed by Allworx System Administrator.
- Call route can end with outside call (e.g. cell phone).

Multi-site calling

- 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.
- Ideal for company with multiple locations.

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

Remote users

- Remote users connect to Allworx 6x via Internet.⁸
- Remote plug-n-play with Allworx VoIP phones.¹
- 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, 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.
- Compatible with Music On Hold and Overhead Paging systems.^{1,3}

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 Message Center.
- 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.
- 8-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 tool.



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

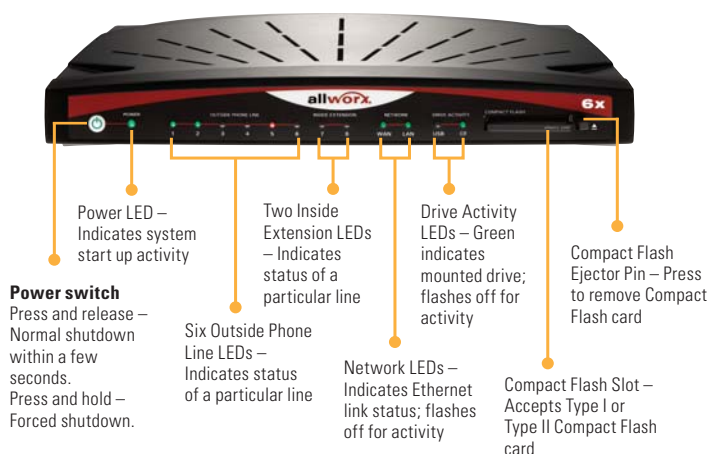
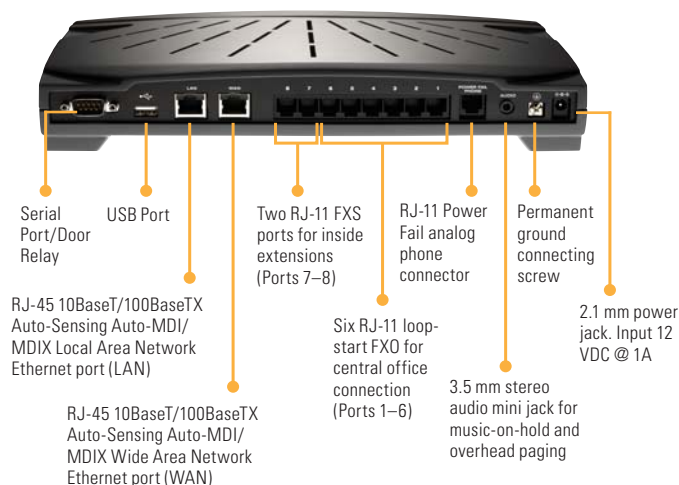


Figure 2: Rear View



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.¹
- 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.
- 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.
- VPN (Virtual Private Network)¹ — PPTP (Point-to-Point Tunneling Protocol) security.
- 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.
- SIP Proxy registration services provided through Allworx.
- Standard data router capability.
- Routes any device on network (PCs, printers, servers, IP phones, and others).
- 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 6x systems for multi-site calling.
- Multi-site calling does not require an ITSP service.
- PPTP-based Virtual Private Network (VPN) — one-time license fee for up to 16 simultaneous users.¹
- Access Allworx remotely via VPN and get full functionality (email, calendaring, shared files, etc.).
- Remote office analog phone capability (compatible with AudioCodes and Cisco ATAs).³

- VoIP via WAN port using SIP protocol:
 - Multi-site connectivity
 - Remote phone capability via VoIP phones

Electrical and regulatory information

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

Size and weight

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

Options

- Allworx Call Assistant™.
- Allworx Call Queuing™.
- Allworx Message Center Software.
- Allworx VoIP via WAN.
- Analog and VoIP phones.
- Analog Station Gateways.
- CO Line Expansion Units.
- USB External Disk.
- Music On Hold.
- Network Switches.
- Power Over Ethernet.
- T1/PRI Gateways.
- Uninterruptible Power Source (UPS).
- Virtual Private Network (VPN).

3 Message center

Delivers powerful group calendaring — synchronizing every employee and keeping track of key activities.

Technical specifications

Calendaring

- 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.

Contact management

- Users manage their own contact information.
- Shared contact information (employee and client) is automatically updated in everyone's database.
- Contacts can be personal or company shared.
- Contacts can be private or public.
- Contact database can be exported to MS Excel.
- Import records in comma-separated (.csv) format.



Email⁹

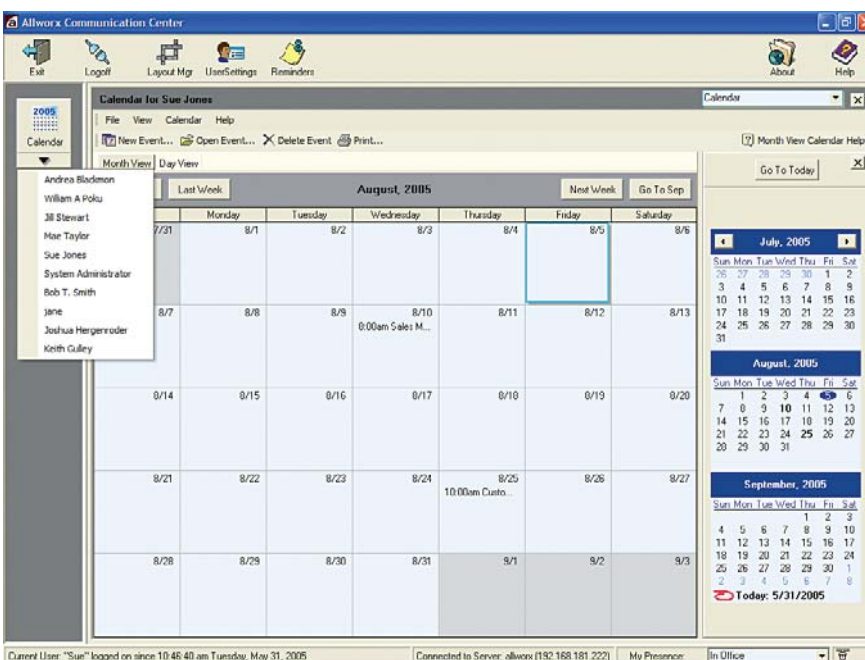
- Receive, review and respond to email.
- Supports HTML, RTF and text-only formats.
- Tools include spell checker, thesaurus, preview panes, send/reply/forward, and more.
- Messages are identified by priority status and type (email, voicemail or meeting request).
- Create custom folders to organize messages.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

Group collaboration

- Group email.
- Group calendaring.
- Group contact management.
- Distribution lists (voicemail and email).
- FTP file capabilities.
- Company directory automatically updates to each user's contact database for shared contact info.
- 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.
- Company Intranet site can be customized to share key organizational information (e.g. policies, news, events, reference materials).

Client software¹

- The Allworx software comes standard with email, voicemail, contact management, group calendar with personal reminders, shared folders.
- Multi-user license comes standard with package — no extra fees for additional users.
- Requires Windows 2000 or higher.

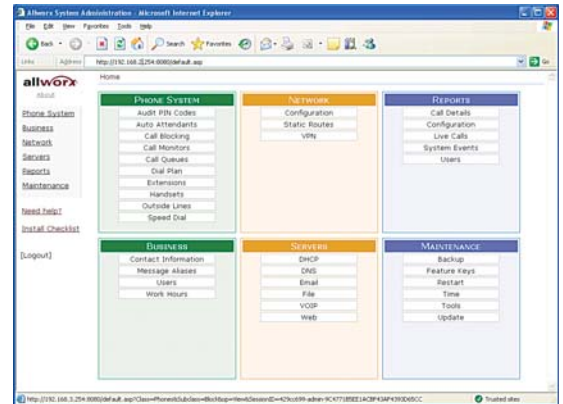


Allworx system administration

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.
- Device self-test and troubleshooting.
- 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 least-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.^{3,7}
- Compatible with VoIP and WiFi VoIP phones that follow the SIP protocol.^{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 tool.

Call queuing^{1,4}

- 10 queues supported with 16 calls.
- View continuously updated queue status on your PC (number in queue, longest wait time, average wait time).
- Call Details Report available — export to MS Excel for further analysis.
- All phones ring when caller is in queue, first one to answer gets 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.

Call Assistant^{1,4,5}

- 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 all BLFs and status of all users.
- Manage outside lines, auto attendants, queues, parked calls, monitors, etc.

High end calling features

- One 8-seat conference bridge.
- Each IP phone on the network can support its own 3-way conference call.
- Programmable dialing plans route your calls through lowest-cost telephone providers.
- Broadcast message capability — internal or external distribution lists.
- Call Viewer — View the status of headsets, CO lines, parked calls and call queues.
- Powerful call control functions, including:

<ul style="list-style-type: none"> – Audited outside line access – Call blocking – Call forward and transfer – Call hold – Call monitors⁵ – Call park and retrieve – Call pickup 	<ul style="list-style-type: none"> – Call Queueing^{1,4} – Call routing – Call waiting – Caller ID – Dial by name or extension; dial from directory – Distinctive ring – Do not disturb 	<ul style="list-style-type: none"> – External call diversion – Flexible numbering plan – Hunt groups – Internal extension distinctive ring – Multiple line access – Operator manager – Overhead paging³ – Parking orbits⁵ – Prepending digits – Private lines – Redial – Speed dialing – TAPI support — automatic dialing and caller ID pop-ups⁵
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Footnotes

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

4. Requires Allworx VoIP phone.
5. Available Q4 2006.
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.