

## Allworx<sup>®</sup> 10x Product Specifications



### Three systems in one — together is better!



#### Phone system

- Full PBX system
  - Voice over Internet
  - Site-to-site access
- And much more...



#### Network server

- PC data network
  - Internet security
  - Email/file/web server
- And much more...



#### Message center

- Group calendaring
  - User & admin software
  - One voicemail/email InBox
- And much more...

The Allworx 10x is convergence technology designed for businesses of up to 40 employees per site. The 10x integrates a sophisticated VoIP phone system, a robust data network, and powerful group productivity software.

# 1 Phone system

With its flexibility and expandability, VoIP and site-to-site capability, follow-me calling and powerful auto attendants, the Allworx 10x is a perfectly balanced PBX phone system.

## Technical specifications

### Phone interface

- Allworx comes standard with 16 configurable ports supporting both CO (Central Office) lines and analog phones.
- Allworx supports both analog and VoIP (Voice over Internet Protocol) phones — up to 13 analog phones,<sup>1</sup> 40 VoIP phones<sup>1</sup> or a combination of both.
- Up to 100 user extensions (individuals) and 100 system extensions (conference rooms).
- Three fixed CO lines — RJ-11 dedicated loop-start FXO ports.
- Six dual mode ports (CO or internal stations) — RJ-11 loop-start FXO/FXS universal telephone auto-configuring.
- Nine incoming CO lines expandable up to 33 lines.<sup>1</sup>
- 13 DID (Direct Inward Dialing) capable ports.
- Seven dedicated internal analog stations — RJ-11 FXS ports for analog phones or fax.
- 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 the nine CO trunk lines.
- VoIP capable (SIP Voice over Internet Protocol)<sup>2</sup>

### Auto attendant

- Nine unique auto attendants provide support for multiple businesses, identities or languages.
- Time-specific message support — ensures that every call is handled appropriately.
- Compatible with Music On Hold<sup>1</sup> and Overhead Paging<sup>3</sup> systems.

### Voicemail

- 16-port voicemail system.
- Up to 3 hours of storage capacity per user.
- Date and time stamping.
- 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.
- Listen to voicemail in your email InBox (see *Unified Messaging* on page 4).
- Listen to and answer email via phone (see *Unified Messaging* on page 4).

### Follow-me calling

- Routing can follow multiple phones and ultimately connect to an outside line (including cell phones).
- Establish seven unique phone Presences (including In Office, At Home and On Vacation), each with its own routing rules and filters.
- Set Presence status via phone or Allworx software.
- Filter rules drive routing paths based on incoming Caller ID.

### 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 MS Excel or any standard spreadsheet program for further analysis.
- System backup and restore — automatically saves configuration attributes and voicemail messages.

### Remote office and site-to-site

- Remote office and SOHO (Small Office Home Office) telephony support.
- Remote SIP Proxy server support.
- Site-to-site phone capability via WAN-based SIP.

### High end calling features

- Minimum of 3 simultaneous 3-way conference calls of 3 participants each; more available depending on CO lines and type of phones.
- Programmable dialing plans route your calls through lowest-cost telephone providers.
- Broadcast message capability — internal or external distribution lists.
- Powerful call control functions, including
  - Audio text
  - Audited outside line access
  - Call blocking
  - Call forwarding
  - Call hold
  - Call park and retrieve
  - Call pickup
  - Call transfer
  - Call waiting
  - Caller ID
  - Dial by name or extension
  - Dial from directory
  - Discriminating ring cadences on analog phones
  - Do not disturb
  - External call diversion
  - Flexible numbering plan
  - Hunt groups
  - Internal extension distinctive ring
  - Multiple line access
  - Operator manager
  - Prepending digits
  - Private lines
  - Speed dialing
  - Uninterrupted record time

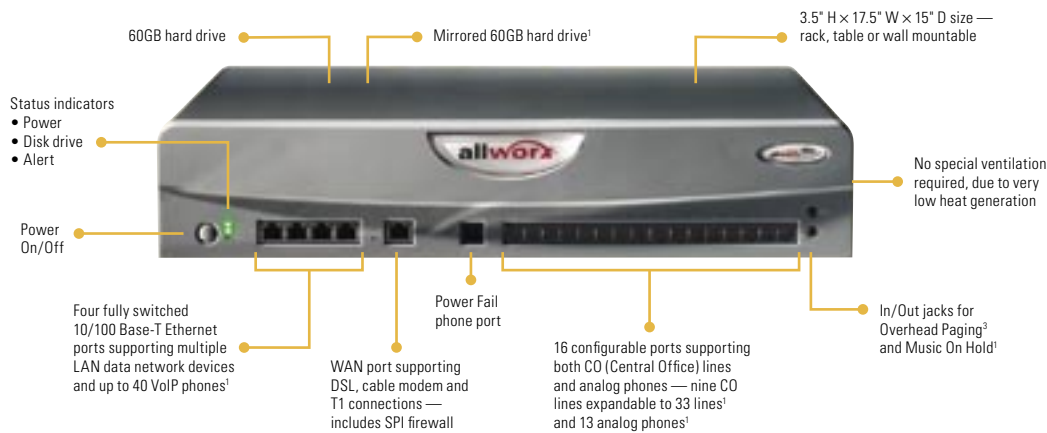
### Industry compatibility

- Fully supports selected VoIP phones, including Cisco 7960, 7940, 7912 and 7905.<sup>3</sup>
- Compatible with VoIP phones that follow SIP protocol.<sup>2</sup>
- Compatible with softphones, including Pingtel Instant Expressa, EyeP Media and xTen.<sup>3</sup>
- Supports G711 and G729 endpoint connections.
- Compatible with ITSPs (Internet Telephony Service Providers).<sup>2</sup>



# 2 Network server

Ultimate SPI firewall security, robust WAN access and a Windows-compatible LAN network with POP3 and SMTP email, file sharing, and web hosting with support for HTTP and FTP make the Allworx 10x a powerhouse business server.



## Technical specifications

### Hardware interfaces

- Four fully switched RJ-45 10/100 Base-T LAN Ethernet ports.
- One RJ-45 10/100 Base-T WAN port for Internet connection from DSL, cable modem or T1.<sup>5</sup>
- 3.5mm mini jacks for Overhead Paging<sup>3</sup> and Music On Hold.<sup>1</sup>
- High capacity hard disk — minimum 60 GB.
- Second 60GB hard disk for data mirroring/redundancy.<sup>1</sup>
- Uninterrupted Power Source.<sup>1</sup>

### Secured Internet access<sup>5</sup>

- SPI (Stateful Packet Inspection) firewall security.
- NAT (Network Address and Port Translation) mode NAT (Network Address Translation).
- PPTP (Point-to-Point Tunneling Protocol) security.
- Ethernet-based WAN access direct from DSL or cable modem.
- Static IP or DHCP client support on WAN.
- DMZ (Demilitarized Zone) mode to protect WAN interface.
- SIP Proxy registration services provided through Allworx.
- VPN (Virtual Private Network)<sup>1</sup> — secure site-to-site and remote access.

### Networking

- Public WAN interface and fully secured LAN subnet.
- LAN file server — MS Windows compatible via SMB/CIFS (Server Message Block) protocol.
- Email server — POP3 and SMTP email standards.
- Web server — Intranet and Internet with HTTP and FTP functionality.
- Up to 253 hosts supported on LAN using DHCP.
- 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) server.
- TCP/IP routing support between LAN/WAN.
- PPPoE (Point-to-Point Protocol over Ethernet) capability.
- Supports classful and classless routing.

### Electrical and regulatory information

- Line voltage: 115V/230V AC, 4/2A.
- Frequency: 47Hz to 63Hz.
- Typical use: 60W maximum, 30W minimum.
- FCC Part 15, Class B, FCC Part 68, CS-03 and UL Listed.
- Environmental conditions: 0–40°C, 10–90% Relative Humidity non-condensing.

### Remote office and site-to-site

- PPTP-based Virtual Private Network — one-time license fee for up to 16 simultaneous users.<sup>1</sup>
- 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).<sup>3</sup>
- VoIP via WAN port using SIP protocol:
  - Site-to-site phone via WAN-based SIP.
  - Single office remote users via VoIP phone.

### Size and weight

- 3.5" H (9 cm) x 17.5" W (44.5 cm) x 15" D (38.1 cm).
- Weight: 20 lbs.
- Fits 19" rack, table or wall mountable.

### Options<sup>1</sup>

- Analog and VoIP phones.
- Analog Station Gateways.
- CO Line Expansion Units.
- InLine Phone Power.
- Mirror Disk.
- Music On Hold.
- Switches.
- Uninterruptable Power Source (UPS).
- Virtual Private Network (VPN).

*“If we had known about Allworx a year ago, before our company relocated and had to buy more equipment, we could have saved \$30,000!”* Ray Love, President/CEO, Software Technology, Inc.

# 3 Message center

True unified messaging delivers email and voicemail *in one InBox*, and powerful group productivity software shares calendars, contacts and files — synchronizing every employee.

## Technical specifications

### Client software

- The Allworx software comes standard with email, voicemail, contact management, group calendar with personal reminders, shared folders, off-line capability and automatic synchronization.
- Multi-user license comes standard with package — no extra fees for additional users.
- Requires MS Windows 2000 or higher operating system.

### Unified Messaging

- Receive, review and respond to all email, voicemail and meeting requests in one InBox.
- Listen and respond to emails via phone (including cell phones) with text-to-speech capability.
- 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.

### Group collaboration

- Group email.
- Group calendaring.
- Group contact management.
- Distribution lists (voicemail and email).
- Shared files with central data location.
- Group folders for specific workgroups or departments.
- Company directory automatically updates to each user's contact database for shared contact information.
- Allworx automatically generates a company Intranet site containing user webpages with user calendars, access to shared folders, phone extensions, user's current presence status, company directories, etc.
- Company Intranet site can be customized to share key organizational information (e.g. policies, news, events, reference materials).

### 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.



### Email<sup>6</sup>

- 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.
- Up to 4GB storage capacity per user.
- Automatic notification if email delivery is delayed.
- Supports multiple mail domain names.
- Works with MS Outlook/Express and most other email applications.<sup>6</sup>

### 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.
- Tracks who has accepted or 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.

### Voicemail

- Listen to and manage voicemail in your email InBox.
- Voicemails are automatically purged from phone when managed from email InBox.

### System administration software

- All Administrative functions (system, setup, diagnostics) are accessible either with Allworx software or browser-based interface.
- Allworx aids telephony setup by automatically detecting new equipment and generating tasks.
- Central management of company/employee settings.
- Moves, Adds and Changes are implemented via easy and intuitive interface.
- Allworx software upgrades are quick and easy.
- Device self-test and troubleshooting.
- Remote VPN Administrative access.
- Fully controlled restore and backup functionality with Allworx OfficeSafe™.
- Spam blocker setup by Admin to select from free or pay-per-use spam block list services.<sup>3</sup>
- Software key enabling of features and options.
- View and manage email queue.
- Flexible call routing:
  - Select routes to other sites, or route directly to least-cost long distance providers
  - Create virtual extensions for remote users
  - Create virtual organizations

1. Sold as an option.  
2. Contact Allworx or your authorized reseller for a list of Allworx-certified Internet Telephony Service Providers, available July 31, 2004; fees may apply.  
3. Third-party products may be purchased separately or as part of a package.  
4. Contact Allworx or your authorized reseller for a list of compatible phones.  
5. Internet access requires a compatible Internet Service Provider; fees may apply.  
6. Allworx is compatible with any email application that supports POP3 and SMTP.