

Stratus IPX

*The Right-Sized and Right-Featured
VoIP Solution for Businesses*



PHOENIXSOFT

Stratus IPX from PhoenixSoft

The Right-Sized and Right-Featured VoIP Solution

Today's businesses are well aware of the efficiencies gained from converging voice and data networks. Therefore, every telephony purchase decision will consider VoIP capability. Specifically, companies are looking to use bandwidth more efficiently, deploy new applications and generate cost savings. With the PhoenixSoft Stratus IPX, enterprises can create one clean network that communicates flawlessly between the Internet and the public telephone network.

Stratus IPX is a customer premise switch that can process simultaneous voice, text, data and graphics over existing telephone lines and/or IP connections. Adding the Internet connection as an alternate transmission route allows businesses to save money on incoming and outgoing calls. Because Stratus automatically switches calls using any idle trunk or available bandwidth, the required amount of lines and the cost per line are reduced.

PhoenixSoft helps businesses around the world migrate from disjointed, legacy communication networks to a next-generation converged network infrastructure ~ all from a single, integrated platform. Stratus IPX seamlessly integrates the telephone, computer, LAN, and the Internet in a completely modular, cost effective solution.

Selecting the right IP-PBX becomes a critical business decision. A host of products available today are marketed as IP-PBXs. However, many of these platforms provide traditional PBX architecture with IP Phones, and rely on traditional rather than IP switching. As a result, businesses need to purchase conventional handsets, the hardware requires two backplanes that create two points of failure, and the processing requirements are greater than those of a true

IP-PBX such as the Stratus IPX. These solutions may not deliver the economies of the Stratus IPX, including the reduced costs of moves, adds, changes, and the savings from wiring a single converged network.



Multi-location Stratus IPX Network Configuration

Enterprise customers will justify an IP-PBX investment solely by the business benefits they gain. Solutions must complement business-specific objectives and significantly improve the way companies do business. The Stratus IPX provides real business benefits, including:

Hybrid Capability

Since a significant embedded base of legacy PBX systems still exists, businesses may be unwilling to scrap the investments they've made in their current technologies. However, the Stratus IPX accommodates this situation by using TDM, pure VoIP, or a combination of TDM and VoIP technologies.

Interoperability

Because today's networks contain equipment from multiple vendors, the Stratus IPX's open architecture interoperates effortlessly with existing equipment. In addition, it easily integrates new technologies.

Stratus IPX Features & Specifications

The Stratus IPX is delivered to you fully configured and ready to use. Our technical professionals program the platform to your specifications, including all extensions up to 50 lines, attendant greetings and call queues.

In addition, the Stratus IPX can be configured to serve any network requirement, whether you need a small system with basic features or a multi-location system with advanced features.

Scalability

PhoenixSoft designed the Stratus IPX as a scaleable and modular platform. Users can grow their network as needed.

Remote Office Connectivity

The Stratus IPX easily connects multiple office locations over the Internet or company Intranet.

Cost Economies

The Stratus IPX enables businesses to operate a single network for all their communication needs. Network convergence creates many cost efficiencies, including lower cabling costs, fewer ports may be needed, users control adds, moves and changes, among others.

User Productivity

Branch offices, telecommuters and remote locations can all participate in business activities with internal extension numbers and centralized applications, such as voice mail.

Enhanced Customer Interactions

Customer call completions are increased with the advanced capabilities of the Stratus IPX. Applications such as voice messaging and follow-me help increase your level of customer service.

Simplified System Management

The Stratus IPX allows central provisioning and management, with unified, Windows and Web-based control of voice and data. Users can implement software upgrades, make configuration changes, or backup data across the entire network, all from a single location.

Standard IPX Features

- Intercom (station-to-station)
- Voice Mail
- Caller I.D.
- Auto Attendant
- Least-Cost Routing Options
- Off-Premise Extension (OPX)
- Call Forwarding
- Call Return
- Call Transfer
- Call Pickup
- Call Waiting
- Calling I.D.
- Calling Plans
- Consultation Hold
- Device Inventory
- Do Not Disturb
- Extension Dialing
- Follow Me Services
- Hunt Groups
- Last Number Redial
- Message Waiting Indicator
- Night Answer
- Performance Measurements
- Series Completion
- Speed Dial
- Three-Way Calling
- Voice Messaging
- Voice Portal

Optional Features

- Automatic Call Distribution
- Call Detail Recording
- Call Forwarding (off PBX)
- Paging
- Automatic Network Alternative Route Selection
- Redundancy
- Clustering
- Tie Trunking
- Custom Features
- Graphical User Interface

Hardware Specifications

- Intel P4 2.5Ghz Processor or better
- Minimum 512Mb RAM
- Minimum 40Gb Hard Drive (*larger depending on Voice Mail Requirements*)
- 24X CD-ROM
- Dual NICs

Optional Hardware

- Standard Keyboard
- Standard Mouse
- VGA Monitor

Required Ethernet switches, telephones or analog adapters to connect to handsets in their base configurations are not included in the standard Stratus IPX solution. PhoenixSoft offers a variety of optional maintenance contracts, including next business day on-site hardware support.

Innovative SIP-based VoIP Phones



Ideal for general office and knowledge worker environments

In Stratus IPX networks, PhoenixSoft deploys its *iCloud* IP Phone, an affordable yet powerful SIP business desktop device. The *iCloud* IP Phone offers built-in, full-duplex speakerphone and three-party conference bridging. A 2x24 semi-graphic LCD display with menu-driven user interface allows custom branding and easy feature management. Twelve programmable keys with LEDs support flexible trunk-access/busy lamp configuration. A 100-number call memory, 100-number onboard address book (to which data may easily be uploaded), custom call blocking, configurable/downloadable ringtones, auto-answer mode, DND, and other sophisticated features insure convenience and productivity. And the *iCloud* IP Phone's built-in Web server supports even simpler end-user configuration, screen dialing, and access to call history.

The *iCloud* IP Phone is remote-manageable and firmware-upgradeable, uniquely easy to install, and largely self-config-

uring. Broad codec support and full compatibility with current SIP recommendations insures interoperability; support for STUN (for NAT traversal), ENUM (for dialed-number resolution) and other state-of-the-art features. These capabilities enable flexible deployment behind local proxies, IP PBXs or hosted VoIP services. The *iCloud* IP Phone supports the security standard SRTP ~ a current specification from the Internet Engineering Task Force (IETF) for protection against eavesdropping ~ and TLS for protection against sniffing of signaling and authentication data.

By limiting the need for external conference bridges/media server capacity or use of conference services for routine multiparty calls, the *iCloud* IP Phone's built-in three-party conference bridge helps limit total cost of ownership, while also insuring high audio quality and low latency.

iCloud IP Phone Technical Specifications

- Dimensions: approximately 25x 20 x 12 cm
- Weight: approximately 860 g
- Certifications: FCC Class B, CE Mark Commercial

CONNECTORS

- Network: RJ45 (Ethernet)
- PC: RJ45 (Ethernet)
- Power: 5 V DC (stabilized)
- 2 port switch included
- Power over LAN (IEEE 802.3af) on network port
- Handset: RJ14 Standard Handset Connector
- Headset: RJ-Connector Headset

USER INTERFACE

- Display: 2 x 24 character display
- 47 keys, 13 LEDs
- Last calls (100 entries)
- Address book (100 entries)
- Address book Import/Export
- Number guessing, speed dialing
- Missed calls, dialed calls
- Call waiting indication
- Clock, daylight saving, call-timer
- Call blocking (Deny List)
- Programmable function keys
- Menu-driven user interface
- Selectable ringing melodies
- National language support for selected languages (NLS)
- Downloadable ringing melodies
- URL Dialing support
- Do not disturb
- Speakerphone (Full Duplex)
- Auto answer mode
- UTF8-encoded Caller-ID
- Multi-Line registration

CALL FEATURES

- Hold
- Blind transfer, Attended transfer
- Music on hold support
- Divert
- Call intrusion
- Conferencing (3-way conference bridge on phone)
- Call park, Call pick-up
- Call completion
- CMC (Client Matter Code)
- VLAN (802.1 P/Q)

WEB SERVER

- Embedded web server
- Easy configuration of the phone, remote configuration
- Dial from web interface
- Password protection
- Diagnostics (tracing, logging)

SECURITY

- HTTPS (server/client)
- Transport Layer Security (TLS)
- SRTP (RFC3711)
- Certificates can be loaded into device

CODECS

- G.711 aLaw, μ Law
- G.729A, G.726, G.723.1, GSM 6.10 (Full rate)
- G.722 (16 kHz)



SIP

- RFC3261 compliant
- UDP, TCP, TLS support
- Digest authentication
- Loose routing and strict routing support
- Error-information support
- Reliability of provisional responses (RFC3262)
- DNS SRV (RFC3263), redundant server support
- Offer/answer (RFC3264)
- Message waiting indication reception (RFC3842), subscription for MWI events (RFC3265)
- Dialog-state
- In-band DTMF/Out-of-band DTMF (RFC2833)
- STUN client (NAT traversal)
- ENUM (RFC3261)
- NAPTR (RFC2915)
- rport (RFC3581)
- REFER (RFC3515)
- Many other SIP features

INSTALLATION

- Static IP provisioning, DHCP
- HTTP/HTTPS client for configuration
- Automatic software update
- Completely automatic installation from Web

Why PhoenixSoft?

Since 1985, PhoenixSoft has been a leading software developer providing innovative switching and convergent billing solutions to the North American and international telecommunications markets. We provide the most comprehensive, flexible and cost-efficient IP PBX and Softswitch solutions available today.

Headquartered in Phoenix, Arizona, PhoenixSoft designs telephony solutions specifically to help service providers of all sizes integrate low-cost, yet feature-rich VoIP applications. In addition to premier products at very competitive pricing points, PhoenixSoft solutions easily integrate within a variety of network configurations.

PhoenixSoft brings its 20-year track record and extensive call management expertise to each network deployment. We're able to address the full spectrum of requirements ~ from integrating enhanced services within an existing network configuration, to an end-to-end VoIP network solution.



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