

# SoftSwitch



## Energize VoIP Management

Developed specifically to meet the needs of network managers and service providers, the Edge Access Softswitch manages and enables next-generation IP-based multimedia services. Scalable, distributed and extensible, it delivers comprehensive, centralized account and device management for deployments of all sizes. It offers the toll-quality voice as well as carrier-grade reliability to meet the high expectations of end users.

The Softswitch works with the Digital Gateway to manage call control, signaling and routing — converting telephone numbers to IP addresses. It also provides enhanced account tracking and accounting with the ability to generate multiple types of customizable reports.

Edge Access Softswitch offers the most efficient management of user bandwidth, and therefore delivers the maximum network potential at minimal costs. With remote, centralized web-based management capabilities for devices and accounts, it eliminates the need for redundant equipment as well as additional personnel and space needed for network administration and maintenance.

## ADVANTAGES

### Included Features

- Billing Module which supports Call Detail Records (CDR) for multiple applications
- Applications for local calling and long distance calling
- Pre-paid calling cards
- Post-paid calling cards

### Customizable, Remote Management

The softswitch reduces costs through easy-to-use, customizable management tools. The billing module provides account-specific call details and reports. A web-based interface enables remote configuration, call routing, monitoring and provisioning. This interface allows users to access the database simultaneously while maintaining permissions lists. Each account is configured to the customer's specifications. A pre-paid calling application is available

### Easily Integrated

With the increasing complexity of today's networks, our softswitch is specifically designed to integrate easily into existing environments. It is Unix based, uses non-proprietary industry standards and supports multiple protocols including SS7/C7, ISDN, CAS/R2, H.323 and SIP. In addition, it acts as a database server compatible with JDBC ODBC databases.

### Scalable, Distributed Architecture

This platform and database-independent software solution provides a distributed architecture designed for scalability. The combines all of the software processes responsible for the central call and device control, management and administration necessary to administer any next-generation IP network. The Soft-Switch N-tier J2EE compliant architecture supports the ability to be distributed across multiple hardware elements for load sharing and reliability. The distributed architecture supports the ability to scale the size of the soft switch or extend the functionality, easily incorporating new services.

## Interfaces

- 10/100 Base T Ethernet

## Protocol Support

- H.323
- SIP
- SS7/C7
- ISDN
- CAS/R2

## Billing

- CDR capable
- CDR utilities to export to third party billing platforms
- Customizable billing reports
- Multiple rate capabilities
- Dynamic assignment of multiple rate tables
- Rate tables based on combination of origination/termination rates

## Application

- Prepaid Calling Card

## Database Support

- Supports all JDBC ODBC databases

## Network Management

- Provides visibility on all gateways/port availability

## Routing

- IP to PSTN routing on country code, area code and phone number
- Based on prioritization

## Security

- Security supporting system permissions segmenting access to specific users

## Physical & Environmental

- Operating temperature: 0 to 55 degrees C
- Humidity: 80% non-condensing maximum
- Dimensions: 20"x7"x17"
- Power: 100-240VAC or 48 VDC
- Dual/redundant hot swappable Power Supplies (NEBS III)

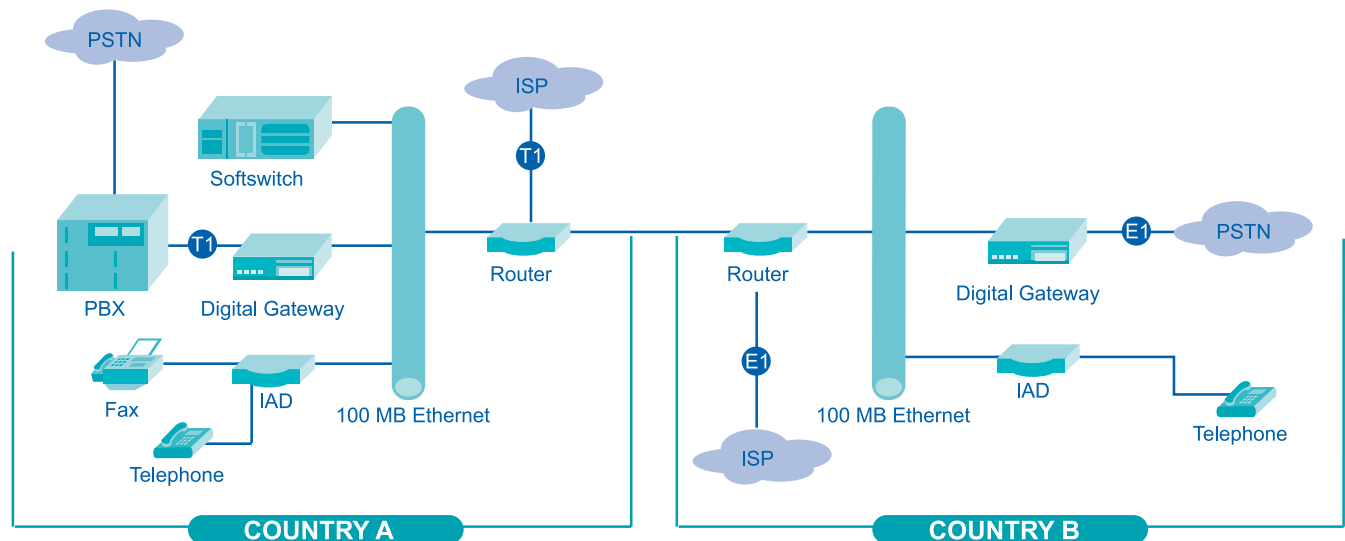
## Regulatory Compliance

- UL 802.3/802.3uWeb

## Configuration Management

- Equipped with remote provisioning tools accessible through a WEB interface or aTelnet session
- Complete system access
- Supports following Centrex features: Call Forwarding, Caller ID, Call Waiting, Call Blocking, Conference Calling, Voice Mail, Stutter Dial tone, Distinctive Ringing, Flash-Hook
- Supports ability to automatically provision each phone line's status and feature
- Activate and deactivate remote gateways on demand
- Security supporting system permissions segmenting access to specific users
- Access lists protect each gateway to prevent unauthorized access

## Softswitch Deployment



## About Edge Access

As a technology developer and integrator, Edge Access continues to pioneer advanced VoIP (Voice over Internet Protocol) and data solutions for industry and government. Designed for universal adaptability, Edge Access solutions offer functionality that amplifies performance of virtually any network infrastructure. The company's premier "future-proof" VoiceWise UAD series, gateway and softswitch provide converged voice and data communications with unrivaled security, voice quality and dependability.