Tadiran Telecom

Coral® Voice over IP Solutions

Optimizing Today's Networks

Businesses today are more dynamic and more geographically dispersed than ever before. Adding or moving facilities, connecting remote workers to a corporate telephone system – all represent costly changes to a communications system. To control these costs, companies are converging their voice and data networks.

Tadiran Telecom offers a suite of Voice over IP (VoIP) solutions that allows you to transition your existing Coral communications platform all at once or incrementally as your business grows. Now you can operate a truly converged data and voice network while enjoying all the same benefits you rely on with your Coral communications platform – flexibility, reliability and scalability.

Using cost-effective IP technology, remote staff have full access to all the
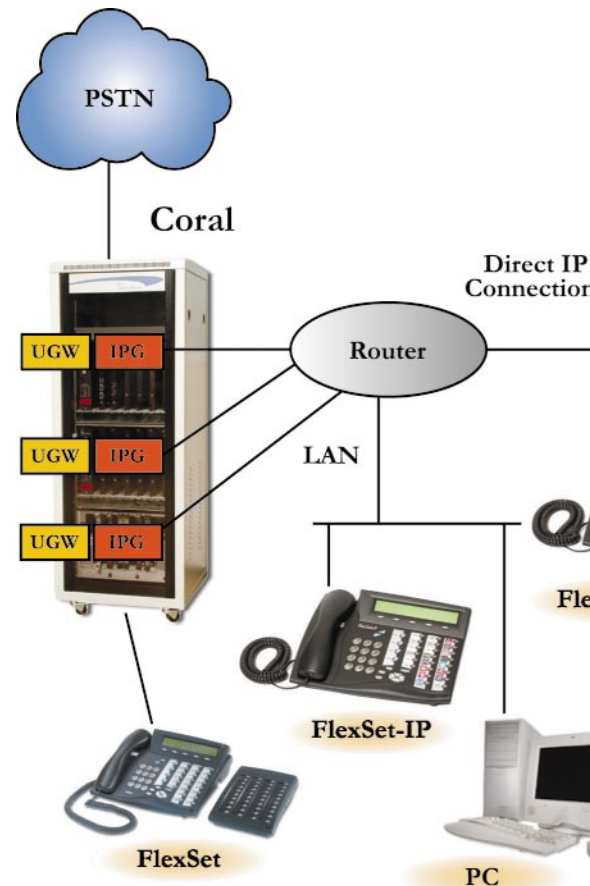
Connecting Remote Employees

Using Tadiran's VoIP solutions, companies can provide remote staff with full access to all the Coral features at corporate headquarters, without costly long-distance charges.

The Coral Universal Gateway
The Coral Universal Gateway (UGW) is the internal gateway for IP phones and trunks. With the capacity to support 120 LAN/WAN ports in any physical location, the UGW provides full Coral services for every Coral FlexSet-IP user on the system.

The UGW allows heavy traffic configurations by maintaining all peer-to-peer IP voice calls entirely on the network. Your Coral system can support multiple UGW cards with load sharing and redundancy capabilities for both media and signaling data streams. The UGW can be installed in any Coral system running version 14 and higher generic software.
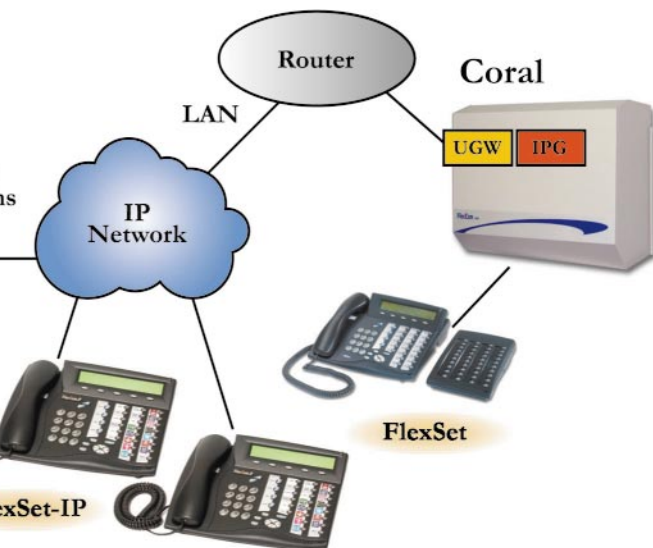
Contemporary Stylish Design – Coral FlexSet-IP

Remote employees share the same look and telephone design as corporate-based FlexSet users. The advanced Coral FlexSet-IP is an Internet-enabled digital phone that can be used in any remote home or office location that you would like to be connected to your corporate network. It removes the restrictions of standard proprietary lines with a simple RJ-45 connection to any LAN, WAN or Internet. This means no more complex changes when moving premises or moving employees; just unplug the Coral FlexSet-IP and reconnect it in its new location.

- 22 user-defined buttons
- Liquid crystal display
- One-touch feature activation
- On-hook dialing
- Message-waiting indicator
- Four-digit dialing between corporate headquarters and remote home or office locations

Coral features at corporate headquarters.

Linking Multiple Offices

Coral IPG VoIP Gateway

As your business continues to change and grow, multiple offices can operate as one with the Coral Internet Protocol Gateway (IPG). The Coral IPG is an in-switch card, downward compatible with Coral systems running version 10 software, that extends full Coral functionality to multiple offices. Utilizing cost-effective IP technology, branch offices enjoy all the same features as staff at corporate headquarters.

With standard QSIG protocol over IP networks, the Coral IPG can enable your company to converge data and voice networks with massive scalability.

Coral VoIP Solutions

Bottom-Line Benefits:

- Reduces communication costs by sending voice and data over IP networks
- Eliminates the expense and inconvenience of maintaining separate infrastructures by creating one voice and data "distance carrier"
- Protects investments by consolidating voice and data networks into a single communication infrastructure

State-of-the-Art Features

Coral FlexSet-IP:
- 10/100 LAN connection
- Multi-line appearance
- LCD presents clear caller and calling information, enabling easy call progress management and intuitive activation (3-line display with 40 characters per line)
- Soft-keys with navigation buttons create an intuitive user interface (the display changes to show applicable feature options for one-touch activation)
- 22 user-defined buttons for maximum flexibility
- Standalone power and power over LAN (Cisco and IEEE 802.3af standard)
- Codecs support – G711, G729
- Software upgradeable by TFTP
- True two-way speakerphone
- 4 programmable system-wide feature buttons
- Hot-dial keypad for fast dialing
- Large message-waiting indicator
- Headset compatibility
- Static/dynamic DHCP/DNS configurations
- Second handset jack
- Choice of pearl white or charcoal gray matte finishes
- Choice of custom faceplates
- Desk or wall mountable
- Local PC connection via internal bridge (included)

Universal Gateway (UGW):
- Complies with voice compression support in either G711, G723 or G729 standards
- VoIP standard: MGCP
- Simultaneously supports 120 Coral FlexSet-IP peer-to-peer phone calls

Coral Internet Protocol Gateway (IPG):
- High Quality of Voice
- Supports G711, G729A, G723.1 standards
- Optional H.323
- Adaptive jitter buffer technology
- Automatic delay recovery control
- Adjustable voice payload length
- Automatic integrated echo cancellation
- Easy installation and maintenance
- Remote management: HTTP/FTP/TELNET
- SNMP management: MIB II
- Supports 11 simultaneous VoIP calls
- Allows QOS mechanisms

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