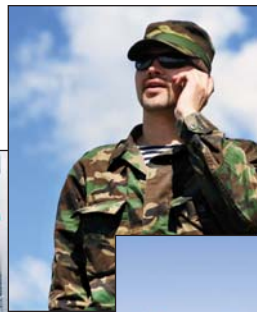


Government Telecommunications

Solutions Overview



The telecommunications needs of the Department of Defense (DoD), and Federal and Local Governments are changing rapidly. The network environment, much like the consumer network, must not only handle voice traffic, but data, video, and a variety of next-generation services over an IP network infrastructure. Much like telecommunications networks around the globe, the demands of these networks are increasing all while needing to maintain a mission-critical level of operation.

But perhaps a unique situation with the DoD, and Federal and Local Governments is the need for the network to minimize costs versus offer monetization opportunities as with commercial carriers and service providers.

PT's Xpress and SEGway™ family of telecommunications products provide a wide range of network services while utilizing IP network infrastructure to dramatically reduce network operating costs – all at the highest levels of reliability, availability and security.

SIP Applications

PT's Xpress™ portfolio of products includes SIP-based applications and enabling infrastructure that are targeted towards next-generation IP network architectures. With the adoption of voice-over-packet architectures by both wireless and wireline networks, and the emergence of SIP (Session Initiation Protocol) as the predominant signaling protocol on these networks, new opportunities are enabled for service providers to deploy media-rich and web-friendly applications for their subscribers.

A suite of advanced, fully integrated SIP applications are available to help the DoD, and Federal and Local Governments lower operating expenses and minimize telecommunications-related costs. Available applications include:

- Long Distance Cost Avoidance
- Pre- and Post-Paid Billing
- Least Cost Routing
- Find-Me/Follow-Me Services
- Network Transition Services

Additionally, SIP Xpress offers a full and powerful set of tools, which can be used to build a wide variety of cost-reducing applications and services. These include.

- PT's SIP Xpress™ SIP-based Service Creation Environment (SCE) offers unmatched flexibility and simplicity to deliver cost effective, feature-rich solutions. Using the Xpress SCE's graphical user interface, new applications are developed and deployed to market quickly.
- A SIP application server which can be used to create a range of dynamic call control and IMS-ready applications.
- An integrated high performance software-based media server capable of IVR and audio conferencing.



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Solutions Overview

Signaling Solutions

Today's networks continue to grow exponentially due to mobile services, network convergence, and new applications; PT's highly robust SEGway™ platforms and solutions offer proven methods by which to cap legacy network transport and expansion costs by positioning small, compact, and robust carrier grade devices within local communities of interest. This reduces network operating costs by concentrating SS7 traffic and backhauling it to an IP-enabled core STP over a managed shared-use IP network.

SEGway's product suite includes a complete portfolio of signaling solution offerings including Link Replacement, IP-Edge Consolidation, and Signaling Gateways in order to solve the most difficult routing challenges and enable a smooth evolution to IP networks and SIP-based applications.

Using a powerful routing engine, SEGway products drive traditional circuit-switched traffic onto a lower cost IP-network directly from the network edge. Used increasingly worldwide, IP-Edge can offer multiple benefits.

Network evolution

- IP-Edge facilitates the migration to IP networks by converting traditional SS7 traffic (TDM or ATM) to IP (SIGTRAN) reducing the cost of signaling transport by utilizing less costly IP networks.

Investment protection

- By "IP enabling" legacy network elements, IP-Edge extends an operator's investment, thereby eliminating costly upgrades.

Flexible network configurations

- Flexible routing allows operators to use local routing, reducing the costs of SS7 backhaul, core STP traffic offload, or centralization for core monitoring.

Improved network reliability

- IP multi-homing and distribution of routing intelligence across the network creates a more robust signaling network.

ORDERING INFORMATION

Contact your sales representative to define configurations that are best suited for your application

CONTACT US



205 Indigo Creek Drive
Rochester, NY 14626

Tel: +1.585.256.0200
Fax: +1.585.256.0791
E-mail: sales@pt.com

