

Product Name:

PAETEC's Dynamic IP

Product Availability:

In order to utilize Dynamic IP service, customer locations must reside in the on-net markets served by PAETEC.

Ideal Customer Profile:

PAETEC's Dynamic IP Service is an ideal option for customers who want to leverage converged, dynamic IP data and voice services, while continuing to utilize traditional telephony or IP telephony systems (i.e., PBX and/or key systems).

CPE Requirements:

A PAETEC-certified Integrated Access Device (IAD) is required to integrate with traditional telephony systems. SIP-compliant CPE is required for IP telephony systems.

VOIP: DYNAMIC IP | In Brief

Product Description

PAETEC's Dynamic IP service provides the ability to fully integrate voice, Internet, and VPN services on a single IP connection.

Product Capabilities

Integrate data and voice networks – Simplify network management and utilize bandwidth more efficiently.

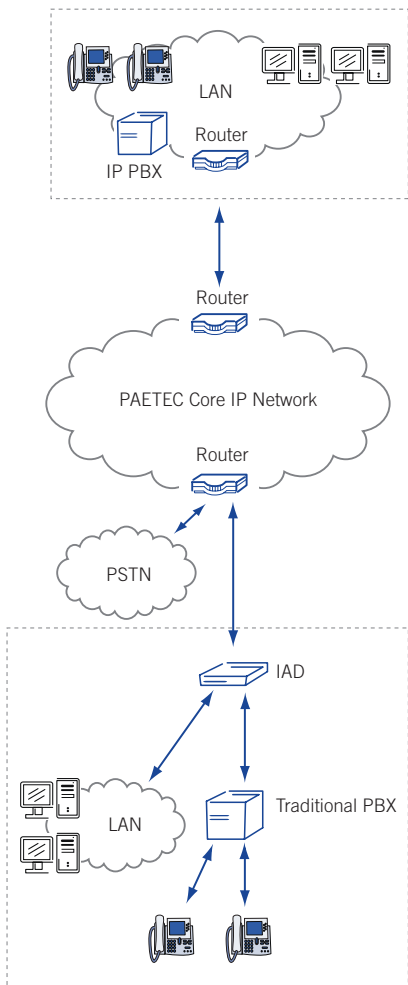
Flexible connectivity options – T-1, DS-3, Ethernet, Fast Ethernet, Gigabit Ethernet

Prioritize data and voice traffic – Prioritize data and voice traffic according to business needs to ensure quality of voice services. PAETEC Quality of Service (QoS) enables proper prioritization of data, Internet, and voice traffic, ensuring appropriate bandwidth is available for each application at all times.

True dynamic bandwidth – Voice services are not artificially limited to a pre-set number of business lines. Both data and voice services can dynamically use all available bandwidth based on customer-selected QoS models.

Security and performance – All traffic rides on PAETEC's private, secure MPLS network which provides industry-leading, end-to-end QoS, and low latency performance.

Full feature functionality – Features, such as Direct Trunk Overflow, DNIS, account codes, and interoffice dialing are available.



Application One

Conestoga Automotive is a multi-state car dealership with headquarters in Rhode Island. Their four branch locations had relatively new key systems with various providers supplying their data and voice services. However, an aging PBX supported its headquarters and managing the remote locations was becoming more complex. Conestoga began to explore IP telephony options and turned to PAETEC for a solution. PAETEC's representative explained that PAETEC's Dynamic IP service was the perfect, cost-effective solution to integrate all of their locations onto an integrated IP network. Conestoga's Rhode Island headquarters now uses an IP PBX to connect directly to PAETEC's secure IP network. This eliminates the need for a gateway to convert traditional TDM, while branch locations continue to use traditional telephony systems and Integrated Access Devices (IADs). As a result, all Conestoga locations enjoy the benefits of converged data and voice, centralized management of its interoffice dialing, and the security of a private, Multi-Protocol Label Switching (MPLS) network.

Application Two

Banner Accounting Service provides accounting, tax, and other financial services to individuals and small businesses in the Chicago area. Banner experienced inbound and outbound calling problems during its busiest season due to pre-set business line limitations. Faced with missed and dropped calls, lost business opportunities, and frustrated customers and employees, Banner contracted with PAETEC to implement Dynamic IP Service. PAETEC's versatile IP solution allowed Banner to keep its traditional telephony system and converge its data and voice onto an integrated network. Today, the company is actively growing its business and easily handling the increased call volume during tax season.

Application Three

David's Apparel is a 50-site retail operation with stores located throughout the Northeast. Each retail location had its own data and voice solution. The IT division struggled to manage multiple data and voice networks that included frame relay for data WAN, integrated T-1s, DSL Internet, and Centrex lines with various LECs. Knowing that the task of managing so many networks would become more complex, the IT department began to experiment with Voice over IP (VoIP). They did this by running some voice traffic over their frame relay WAN network. It soon became apparent that this was also very complex to manage. They asked PAETEC to assess the situation and implement a single, common IP solution for all their locations. PAETEC converged all of David's services onto a single IP network that provided MPLS VPN WAN, Internet access, and voice services. The solution significantly reduced network complexity, provided effective, centralized management of interoffice dialing, and a single, common solution from one provider.