

3460 Series



Access Services Gateway

for Converged Service Providers and IP Telephony Enterprise Applications

Solutions Sheet

Robust Voice Quality Media Gateway

Vanguard Networks long history and expertise in providing toll-quality packet voice solutions enables the 3460 Access Services Gateway to deliver reliable and robust voice quality.

The Vanguard 3460 Access Services Gateway provides enterprises and service providers a wide range of solutions for data, voice, and video. The Vanguard 3460 provides connectivity to the PSTN, legacy PBX and analog devices, allowing a gradual migration to IP Telephony and interoperability between PSTN, VoFR, SIP and H.323 environments.

Modular Integrated Access Services Architecture

The Vanguard 3460 allows for rapid development of new converged multimedia services in IP-based services allowing you to move from proprietary PBX systems and desktop phones to open, SIP-based standard technologies. The Vanguard 3460 is a single integrated platform for all applications, IP and non-IP and consolidates multiple functions in an optimized, flexible platform. The Vanguard 3460 modularity allows your network to grow and adapt to your business needs. With Vanguard Networks Voice Broadcasting service, you can improve productivity by providing a reliable, cost-effective way to reach your existing customers. Vanguard Networks also has the ability to network digital and analog radios through MPLS or Frame Relay using E&M interfaces.

Advanced Security and Control

The Vanguard 3460 enterprise-class security features are designed to enable secure site-to-site, internet, and remote access connections over IP. The 3460 supports an integrated firewall and secure access via IPSec VPN with optional hardware-accelerated encryption. Access to the CTP is secured by using SSH2 to ensure full configuration control.

Robust Routing

The Vanguard 3460 robust routing capabilities include full OSPF, BGP-4, MLPPP and multicast protocols, all without any extra memory requirements. MLPP provides high availability through multiple service connectivity paths and load balancing. IP multicasting allows efficient, fast forwarding of multimedia business applications. The Vanguard 3460 delivers the low-latency, high packet forwarding required by VoIP delivery with optimal quality.

Advanced QOS and Bandwidth Management

With Vanguard Networks advanced quality of service you have the ability to provide different priority to different applications, users, or data flows allowing optimal performance for mission-critical and low-latency applications such as VoIP. Our bandwidth management capabilities are scalable, standards, multivendor based.

Vanguard Networks Family of Products and Simplify Choices

Choosing Vanguard Networks enables the integration of secure IP services with legacy data, voice, and video applications over the WAN, while optimizing network performance, security, and quality of service (QoS). Vanguard offers a complete line of enterprise multi-service IP access routers for both small and large Branches and Data Center solutions.

Standards Based Interoperability with Multiple Vendors

The Vanguard 3460 is standards based allowing for interoperability between various vendor technologies.

With Vanguard Networks customers can choose best-of-breed vendors offering numerous benefits over monolithically, proprietary solutions provided by a single vendor. Interoperable with leading vendors at the core, our SIP, VPN, MPLS and routing implementations add value while reducing total cost of ownership.

Vanguard Networks Outstanding Reliability

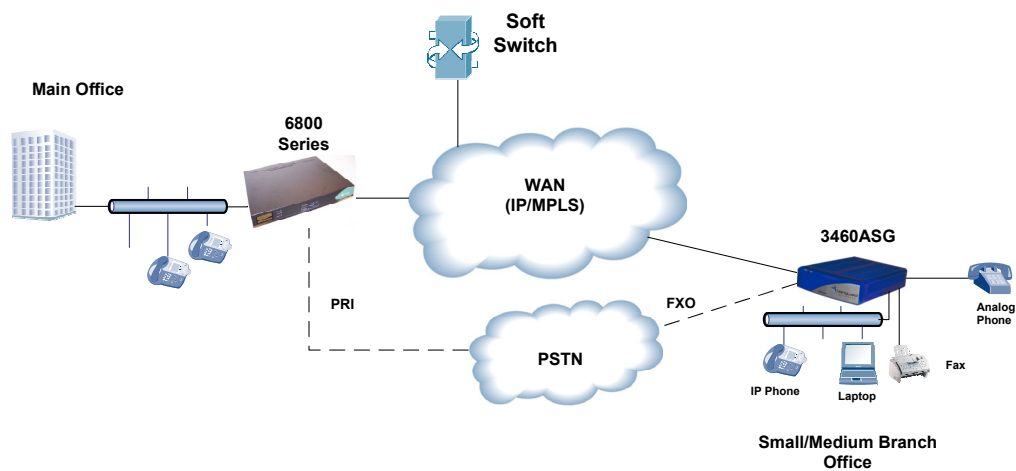
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Target Applications

The major applications envisioned for the 3460 are the following scenarios:

1. Hosted, SIP based IP Telephony application for Small to Medium Branch Offices. Telephone services are maintained in case of WAN link loss by using PSTN- based survivability. Service providers can offer IP and serial data transport alongside voice services, while ensuring high quality voice through advanced QoS technologies.



2. Enterprise with Small to Medium Branch Offices deploying a secure IP Telephony based on a centralized, standards-based SIP IPPBX. Telephone services are maintained in case of WAN link loss by using PSTN- based survivability. Voice calls are prioritized and supported along side IP and serial data traffic.

