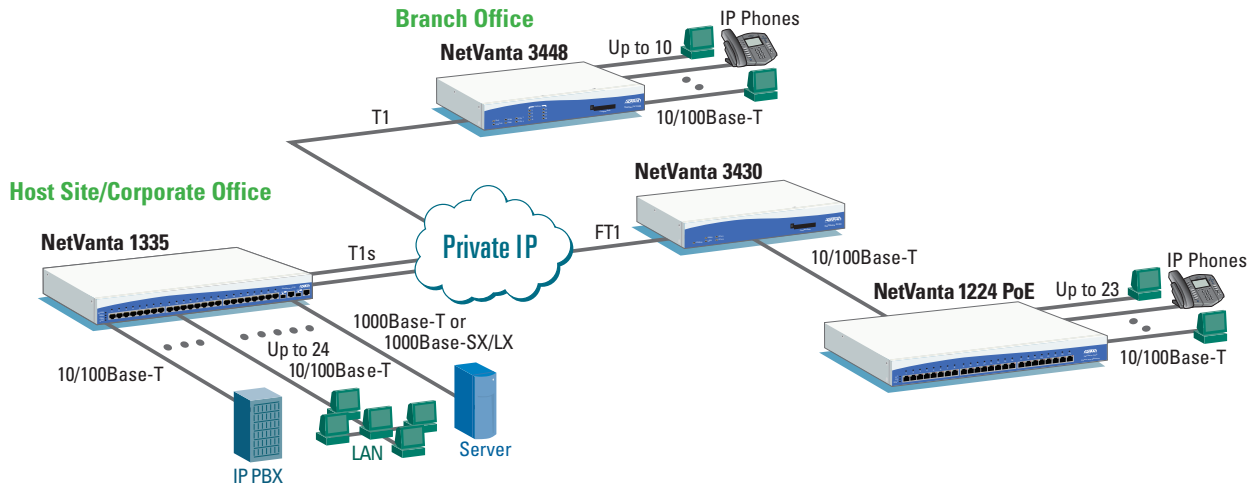


# Application Brief

## End-to-End Quality of Service

### Multiservice Access Routers



The NetVanta® Multiservice Access Routers provide end-to-end Quality of Service (QoS) for applications such as Voice over IP (VoIP) or Video. To prioritize delay-sensitive or mission-critical traffic and control network congestion, at Layer 3 the NetVanta products use Low Latency Queuing, Weighted Fair Queuing (WFQ), Class-based WFQ, and DiffServ marking to establish the priority of IP packets routed over the WAN. In addition, the NetVanta 3448 with its built-in eight-port switch and the NetVanta 1335 with its 24-port switch supports 802.1p Class of Service (CoS) while Weighted Round Robin (WRR) and Strict Priority Queuing

are used for traffic prioritization. The integrated switch in both the NetVanta 3448 and 1335 can also offer 802.3af Power over Ethernet (15 watts per port) to power IP Phones, surveillance cameras, or wireless access points.

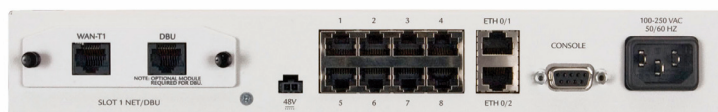
In combination with the QoS features, a specialized SIP Application Layer Gateway (ALG) allows SIP traffic to traverse NAT-enabled firewalls. For enterprise networks, this interoperability allows IP PBXs, phones, and other SIP-based devices to set up, tear down, and pass voice and call control messages seamlessly through the integral NAT-enabled firewall.

### Solution Features

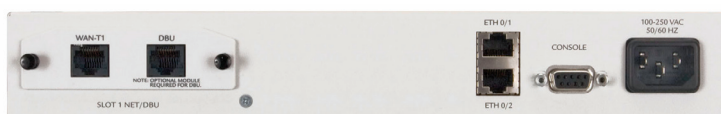
- Performance-enhanced platforms for IP Telephony
- Multiservice Access Routers supporting up to two T1s
- Integral Ethernet switch, with optional PoE
- Optional 802.3af Power over Ethernet (15 watts/port)
- CompactFlash® slot for downloading configuration files and new firmware
- Stateful inspection firewall for network security
- NAT-compatible SIP ALG for VoIP
- Recognizable Command Line Interface (CLI) or user-friendly Web-GUI



NetVanta 1335 Front



NetVanta 3448 Back



NetVanta 3430 Back





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