

The NetVanta® 1550 series of enterprise-class, fully managed Gigabit switches are the best switches for Voice over IP (VoIP). They are purpose built for enterprises looking to upgrade their networks with high-performance, reliable, scalable and easy to manage switching solutions. The NetVanta 1550 switches offer advanced multi-layer switching, high bandwidth capabilities, “voice-aware” features, and include built-in surge protection. The NetVanta 1550-24P and 1550-48 are fully managed, Gigabit switches that are also ProCloud-ready.

Best VoIP Switch, Period

The NetVanta 1550 series Gigabit switches are the best switches for VoIP, delivering high voice fidelity, faster VoIP deployment and ease of management, and maximum network uptime

- **Voice Fidelity:** The switches provide 24 or 48 GigE ports with four SFP+ (10 Gig) ports, delivering up to 80 Gbps of uplink capacity to support greater number of HD voice connections, video streaming, Wi-Fi® and other bandwidth intensive applications.
- **Faster Deployment and Ease of Use:** Built-in VoIP Setup Wizard and zero-touch phone setup simplify VoIP deployments. The switches offer flexible management options including Web GUI, Command Line Interface (CLI) or Cloud (via ProCloudSM)
- **Guaranteed Maximum Uptime:** The NetVanta 1550 series switches have built-in surge protection to mitigate the risk from power surges, delivering greater reliability. The switches also include limited lifetime warranties, 7x24 tech support, advance hardware replacement, and automated configuration backups to the cloud (via ProCloud), minimizing business risk.

Hardware

The NetVanta 1550-24P and NetVanta 1550-48 rackmount switches support 24 and 48 10/100/1000Base-T ports and four SFP+ uplink ports. Each SFP+ port supports up to 10 Gbps uplinks delivering up to 80 Gbps of bi-directional throughput.

Multi-layer Switching

The NetVanta 1550 series support advanced multi-layer (Layer 2 and Layer 3 lite) switching with up to 32 static routes, to enable scaling from a small business network to enterprise-size networks.

ProCloud – Cloud Managed Service

ADTRAN's ProCloud and ProCloud Plus cloud managed services are available for all NetVanta switches including the NetVanta 1550 series Gigabit switches. ProCloud offers:

- Faster scaling of networks via auto connect and auto-configuration
- Centralized management of the network from any device at anytime
- Automated configuration backups and remote firmware upgrades
- Greater network insight with real time and historical reports
- Comprehensive support services and advance hardware replacement options
- Upgrade option to ProCloud Plus to offload remote manage services to ADTRAN® experts

Security

The NetVanta 1550 series Gigabit switches offer a variety of data security features including Denial of Service (DoS) protection, MAC-based port security, 802.1x port authentication, multilevel user passwords, Secure Shell (SSH) and Secure Socket Layer (SSL) for encrypted user login. In addition, the switches support Authentication, Authorization and Accounting (AAA) for authentication with RADIUS and TACACS+.

The ADTRAN Operation System (AOS) also features a PCI Compliance Audit tool, Desktop Auditing via DHCP and Microsoft Network Access Protection (NAP) to offer enhanced security.

Administration

AOS offers both a CLI and an intuitive Web-based GUI with configuration wizards. To automate setup and configuration, the NetVanta 1550 switches support Auto-Config which provides the ability to automatically obtain the switch configuration via DHCP.

AOS also offers network forensics, cable and SFP diagnostics and an on-demand VoIP report to simplify troubleshooting.

PoE

The NetVanta 1550-24P and NetVanta 1550-48P rackmount switches provides standards based 802.3af (PoE), 802.3at (PoE+) and Legacy PoE functionality for IP phones, Wireless Access Points (WAPs), or other PoE-powered IP devices.

Port Scheduler

The NetVanta 1550 series Gigabit includes a built-in port scheduler that allows ports to be enabled or disabled based on time of day. This ability to schedule available ports allows for added security and energy conservation

iSCSI Optimized

All ADTRAN NetVanta Gigabit Ethernet switches are optimized for iSCSI Storage Area Networks (SANs) deployments. Network administrators can take advantage of features such as Jumbo frame support (up to 9K), separation of iSCSI network traffic utilizing VLANs and 802.3x flow control to seamlessly integrate ADTRAN switches with iSCSI SANs devices.