NetVanta 1534 PoE

Power over Ethernet (PoE), Layer 2 Gigabit Ethernet Switch

Product Features

- **26-port managed Gigabit Ethernet switch**
- **24-Gigabit Ethernet ports and 2 SFP optical ports**
- **802.3af and Legacy PoE**
- **Non-blocking, up to 52 Gbps switching capacity**
- **802.1Q tagged and port-based VLANS**
- **Support for up to 255 active VLANs**
- **802.1p and DiffServ prioritization with 4 queues per egress port**
- **Link aggregation, LLDP and LLDP-MED**
- **Weighted Round Robin (WRR) and WRR + expedite**
- **DHCP address management**
- **RADIUS and TACACS+ authentication**
- **Port mirroring**
- **Broadcast, Unicast, and Multicast storm control**
- **Wi-Fi® access controller for centralized management of NetVanta Wireless Access Points**
- **Cable diagnostics identifies cable length and detects shorts or open twisted pair**
- **Familiar CLI**
- **Web-based GUI**
- **Limited Lifetime Warranty**

The NetVanta® 1534 PoE is a managed, 26-port, Layer 2, Gigabit Ethernet switch designed for fast, secure, cost-effective Local Area Network (LAN) switching. This scalable, full-featured business-class switch is perfect for higher-bandwidth Voice over IP (VoIP) applications needing PoE to power IP Phones, Gigabit-to-the-desktop deployments, robust security concerns and ease of management with an easy-to-use Web-based Graphical User Interface (GUI) and familiar Command Line Interface (CLI).

Hardware

The NetVanta 1534 PoE rackmount switch provides 26 Gigabit Ethernet ports, consisting of 24 fixed 10/100/1000Base-T Ethernet ports and two Small Form-factor Pluggable (SFP) ports. The 10/100/1000Base-T ports provide auto-rate, auto-duplexing, and auto-MDI/MDI-X sensing. The SFP slots are available to accommodate optical interfaces using industry-standard SFP modules.

Standards Protocols

Based on the ADTRAN® Operating System (AOS), this device offers support for Link Aggregation (802.3ad); Port Mirroring; and Port-based switching features including Broadcast Storm Control, Spanning Tree (802.1D) and Rapid Spanning Tree (802.1w) for faster network convergence, link redundancy, and recovery from topology changes. Link Layer Discovery Protocol (LLDP) auto-discovers neighboring Ethernet devices, simplifying integration into multi-vendor environments.

VLANs

All NetVanta switches support 802.1Q trunking and up to 255 port-based VLANs to allow network managers to separate broadcast domains for efficient network performance and traffic control.

Power over Ethernet

The NetVanta 1534 PoE provides standards-based 802.3af and Legacy PoE functionality for powering IP phones, Wireless Access Points (WAPs), or other devices requiring LAN power.

Security

Rest assured, with the NetVanta 1534 PoE your network is protected. This product offers a variety of data security features including MAC-based port security, multilevel user passwords, Secure Shell (SSH) and Secure Socket Layer (SSL) for encrypted user login, and Access Authentication and Authorization (AAA) for authentication with RADIUS, RSA SecurID, and TACACS+.

Quality of Service

NetVanta switches also support QoS to ensure network managers have the ability to prioritize mission-critical traffic like VoIP and control network congestion. The NetVanta 1000 Series offers 802.1p and DiffServ Class of Service (CoS). Each switch supports frame tagging, as well as enforcement of tagged traffic received from trusted sources. Four egress queues (per port) are available for assigning traffic priorities using Weighted Round Robin (WRR).

Administration

The AOS offers both a CLI that mimics the widely-deployed, industry de facto standard and an intuitive Web-based GUI with step-by-step configuration wizards. For centralized enterprise-wide management scheme, ADTRAN offers n-Command®, an intuitive, scalable software suite to manage firmware revisions, push firmware upgrades and configuration changes, backup and restore configurations, and manage security policies and Access Control Lists (ACLs).

NetVanta 1000 Series of Ethernet switches are easily coupled with other ADTRAN products including access routers, Wireless Access Points, IP Business Gateways, IP phones, and VoIP telephony solutions. All of these solutions are backed by ADTRAN's outstanding support and services, and an industry-leading warranty.

ADTRAN Smart Solutions for a Connected World.

ADTRAN

NetVanta® 1534 PoE

Power over Ethernet (PoE), Layer 2 Gigabit Ethernet Switch

Product Specifications

Physical Interface
Ethernet Ports
- 24 10/100/1000Base-T
- 2 SFP slots for optical connections
- Auto rate/duplex/MDI/MDI-X

Console Port
- DB-9, RS-232

Switching Performance
- Non-blocking
- 8,000 MAC addresses

Maximum Forwarding Bandwidth
- 52 Gbps

Diagnostics
- Port Mirroring
- LLDP (802.1AB)
- LLDP-MED
- Ping
- Cable Diagnostics

Front Panel Status LEDs
- Power Status
- LAN: Link, Activity, PoE Status

Port Statistics
- Number of TX/RX Frames
- Number of Collisions
- Number of Errors

Spanning Tree Support
- 802.1D Spanning Tree
- 802.1w Rapid Spanning Tree

Link Aggregation
- 802.3ad Link Aggregation
- Support for 8 trunk groups
- Trunk groups consist of up to 8 access ports or 2 uplink ports

Quality of Service (Qos)
- 802.1p and DiffServ
- 4 output queues per egress port
- Weighted Round Robin (WRR)
- WRR w/expedite queue

VLAN Support
- Port-based VLANs
- 802.1Q tagged trunked VLANs
- Support for up to 255 active VLANs

Power Over Ethernet
- 802.3af and Legacy support
- Up to 15.4 W/port
- 370 Total Watts

Storm Control
- Broadcast, Unicast, and Multicast

Administration
- Familiar Command Line Interface (CLI)
- Web-based GUI
- n-Command® support
- SNMP v3
- SYSLOG Logging
- Email Alerts (SMTP)
- TCL Scripting

Network Access Control
- Port authentication (802.1x)

Wi-Fi® Controller
- Controls up to 24 NetVanta Wireless Access Points

Environment
- **Operating Temperature:** 0° to 50°C (32° to 122 °F)
- **Storage Temperature:** -20° to 70 °C (-4° to 158 °F)
- **Relative Humidity:** Up to 95%, non-condensing

Physical
- **Chassis:** 1U, 19" rackmountable metal enclosure
- **Dimensions:** 1.7" H, 17.2" W, 12.7" D
- **Weight:** 9.5 lbs.
- **AC Power:** 100- 250 VAC, 50/60 Hz
- **Power:** 500 watts

Agency Approvals
- FCC Part 15 Class A, UL 1950/CSA, CE Mark, C-tick

Ordering Information

Equipment	Part #
NetVanta 1534 PoE	1700591 G1
NetVanta 1000BaseSX SFP (LC Connectors)	1200490E1
NetVanta 1000BaseLX SFP (LC Connectors)	1200491E1

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Back Panel