

# NetVanta 1534

## Layer 3 Lite Gigabit Ethernet Switch



### Product Features

- 28-port multi-layer Gigabit Ethernet switch
- 24-Gigabit Ethernet ports and four SFP optical ports
- Two standard 1 Gbps SFP ports and two enhanced 2.5 Gbps SFP ports
- Non-blocking, up to 62 Gbps switching capacity
- Line rate Layer 2 and Layer 3 Lite capabilities
- 16 static routes
- 802.1Q VLANs, Private VLANs and VLAN assignment via 802.1x
- VoIP Setup Wizard
- Advanced QoS with support for 802.1p and DiffServ prioritisation with four queues per egress port
- Automate actions with Port Scheduler and TCL scripting
- VoIP ready with LLDP/LLDP-MED and voice VLANs
- Business-class security with RADIUS, TACACS+, 802.1x and port security
- Optimised for iSCSI Storage Area Networks (SANs) solutions
- Wi-Fi access controller for centralised management of NetVanta Wireless Access Points (WAPs)
- Cable and SFP diagnostics provides easy to use troubleshooting tools for copper and fiber cable
- Familiar CLI and Web GUI
- Limited lifetime warranty

**NetVanta 1534 is a managed, 28-port, Layer 3 Lite, Gigabit Ethernet switch designed as an access layer or network backbone switch for Small to Medium-sized Enterprises (SMEs).** With the combination of the advanced multi-layer switching fabric, high-bandwidth capabilities, and enhanced Quality of Service (QoS) features, the NetVanta 1534 is ideal in Gigabit-to-the-desktop deployments, and converged voice and data networks.

#### Hardware

The NetVanta 1534 rackmountable switch provides 28 Gigabit Ethernet ports, consisting of 24 fixed 10/100/1000Base-T Ethernet ports, two 1.0 Gbps Small Form-factor Pluggable (SFP) ports, and two 2.5 Gbps enhanced SFP ports located on the back. Together the four SFP ports can provide up to 14 Gbps of bandwidth between interconnected NetVanta 1534 switches. "Half-rack" in size, you can scale to 48 Gigabit Ethernet ports and eight SFP optical ports utilising two NetVanta 1534 switches side-by-side in a single 19-inch rack space.

#### Multi-layer Switching

The NetVanta 1534 supports advanced multi-layer (Layer 2 and Layer 3 Lite) switching with up to 16 static routes allowing it to easily scale from SMBs to enterprise-size networks.

#### VoIP Ready

The NetVanta 1534 is VoIP-ready with the ability to automatically configure IP phones using LLDP-MED, and the ability to separate voice traffic onto voice VLANs, to simplify the deployment of VoIP. In addition, the switch includes a VoIP Setup Wizard (available via a Web-based Graphical User Interface (GUI) or Command Line Interface (CLI)), which automates the complete VoIP setup process reducing deployment time and eliminating errors. An on-demand VoIP report provides a printable summary of the switch VoIP configuration, as well as providing alerts and recommendations to improve performance. All NetVanta switches support QoS to prioritize VoIP traffic, 802.1p and DiffServ Class of Service (CoS).

#### Security

The NetVanta 1534 offers a variety of data security features including DoS protection, MAC-based port security, multilevel user passwords, Secure Shell (SSH) and Secure Socket Layer (SSL) for encrypted user login, and Access Authentication and Authorisation (AAA) for authentication with RADIUS and TACACS+. With features such as 802.1x and port security, administrators can assure that only authorised users are allowed access to the network.

The ADTRAN Operating System (AOS) also features desktop auditing using DHCP in conjunction with Microsoft Network Access Protection (NAP) protocol to monitor the health of client computers. The two protocols work together to ensure that systems connected to the network are using appropriate corporate policies, such as firewall settings, antivirus settings and other client health information.

#### Port Scheduler

NetVanta 1534 allows ports to be enable or disabled based on time of day. This ability to schedule available ports allows for added security and can provide less power consumption during off hours saving on utility cost.

#### iSCSI Optimised

All ADTRAN NetVanta Gigabit Ethernet switches are optimised for iSCSI SANs deployments. Network administrators can take advantage of features such as Jumbo frame support (up to 13K), separation of iSCSI network traffic utilising VLANs, and 802.3x flow control to seamlessly integrate ADTRAN switches with iSCSI SANs devices.

#### Administration

AOS offers both a CLI and an intuitive Web-based GUI with step-by-step configuration wizards. For automating setup and configuration, NetVanta 1534 supports Auto-Config which provides the ability to automatically obtain the switch configuration via DHCP.

AOS also offers network forensics to aid in troubleshooting network problems by allowing network administrators to easily locate devices on the network by MAC or IP address.





ADTRAN, Inc.  
International Department  
U.S. Headquarters  
901 Explorer Boulevard  
Huntsville, Alabama 35806  
www.adtran.com/global

+1 256 963 8000  
+1 256 963 6300 fax  
international@adtran.com

International Customer Service  
+1 256 963 8716

Canada Headquarters—  
Toronto, Ontario  
+1 877 923 8726  
+1 905 625 2515  
sales.canada@adtran.com

Canada—Montreal, Quebec  
+1 877 923 8726  
+1 514 940 2888  
sales.canada@adtran.com

Headquarters—EMEA  
ADTRAN GmbH  
Ericka-Mann-Str. 25  
80636 Munich-Germany  
+49 89 411097 111  
sales.europe@adtran.com

Germany  
+49 89 411097 111  
sales.germany@adtran.com

Central-East and West Europe  
+49 89 411097 111  
sales.cewe@adtran.com

South Europe  
+49 89 411097 111  
sales.southeurope@adtran.com

North Europe and CIS  
+49 89 411097 111  
sales.ne@adtran.com

Middle East and Africa  
+49 89 411097 111  
sales.mea@adtran.com

Asia  
+852 3187 7111  
sales.asia@adtran.com

Australia/New Zealand  
+61 3 9658 0500  
sales.australia@adtran.com

Mexico and Central America  
+1 256 963 3321  
+1 52 55 5280 0265 Mexico  
sales.mexico@adtran.com

South America  
+1 256 963 3185  
sales.brazil@adtran.com  
sales.latam@adtran.com



TL19.1270



ADTRAN is an ISO 9001, ISO 14001,  
and a TL 9000 certified supplier.

I64702590G1-8E July  
Copyright © 2014 ADTRAN, Inc.  
All rights reserved.

# NetVanta 1534

## Layer 3 Lite Gigabit Ethernet Switch

### Product Specifications

#### Physical Interface

##### Ethernet Ports

- 24 –10/100/1000Base-T
- 2—Standard 1 Gbps SFP ports
- 2—Enhanced 1.0/2.5 Gbps SFP Ports
- Auto rate/duplex/MDI/MDI-X

##### Console Port

- DB-9, RS-232

#### Switching Performance

- Non-blocking Layer 2/3 Switching

#### Maximum Forwarding Bandwidth

- 62 Gbps

#### Layer 2 Support

- 802.1D Spanning Tree
- 802.1w Rapid STP
- 802.3ad Link Aggregation
- 8,000 MAC Addresses
- Jumbo Frames (9K)
- IGMP Snooping
- 802.3x Flow Control

#### Layer 3 Support

- 16 Static Routes
- 8 Layer 3 Interfaces
- UDP Relay
- 232 ARP Entries
- IPv6 Management

#### Diagnostics

- Port Mirroring
- LLDP (802.1AB)
- LLDP-MED
- Cable Diagnostics
- SFP Diagnostics
- Troubleshooting Page

#### Front Panel Status LEDs

- Power Status
- LAN: link, activity

#### Port Statistics

- Number of TX/RX Frames, Collisions, Errors

#### Quality of Service

- 802.1p and DiffServ
- Four output queues per egress port
- Weighted Round Robin (WRR)
- Strict Priority Scheduling

#### VLAN

- Port-based VLANs
- 802.1Q tagged trunked VLANs
- Voice VLANs
- Private VLAN Edge
- Dynamic 802.1x assigned VLANs
- Support for up to 255 active VLANs

#### Storm Control

- Broadcast, Unicast, and Multicast

#### Administration

- CLI (Console/Telnet/SSH)
- SNMP v3
- Web-based GUI (HTTP/SSL)
- SYSLOG
- n-Command support
- Email Alerts
- RADIUS
- TACACS+
- TCL Scripting
- Auto Config
- Port Scheduler
- DHCP Network Forensics

#### Security

- Port authentication (802.1x)
- Port Security
- DoS Protection
- Hardware ACLs
- Microsoft Desktop Auditing

#### Wi-Fi Controller

- Controls up to 24 NetVanta WAPs

#### Environment

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

#### Physical

- Dimensions: 4.4 cm x 20.3 cm x 27.9 cm (1.72 in. x 8 in. x 11 in.) (H x W x D) (Rackmount Brackets Included)
- Weight: 2.72 kg. (4 lbs.)
- AC Power: 100–250 VAC, 50/60 Hz
- Power: 30 Watts, 1 A Max

#### Agency Approvals

- AS/NZS CISPR 22 Class A (Australia and New Zealand) and AS/NZS 4771 (C-tick)

### Ordering Information

| Equipment                                    | Part No.     |
|----------------------------------------------|--------------|
| NetVanta 1534                                | 4702590G1#IN |
| NetVanta 1000BaseSX SFP Transceiver          | 1200480E1    |
| NetVanta 1000BaseLX SFP Transceiver          | 1200481E1    |
| NetVanta 2.5 Gbps Multimode SFP Transceiver  | 1200482G1    |
| NetVanta 2.5 Gbps Singlemode SFP Transceiver | 1200483G1    |
| NetVanta 1 Meter SFP Interconnect Cable      | 1200484G1    |
| NetVanta 3 Meter SFP Interconnect Cable      | 1200484G3    |
| Dual Mounting Tray                           | 1700508F1    |
| Wall Mount Brackets                          | 1700507F1    |

ADTRAN believes the information in this publication to be accurate as of publication date, and is not responsible for error. Specifications subject to change without notice. ADTRAN, n-Command and NetVanta are registered trademarks of ADTRAN, Inc. and its affiliates in various countries. All other trademarks mentioned in this document are the property of their respective owners.

ADTRAN warranty duration and entitlements vary by product and geography. For specific warranty information, visit [www.adtran.com/warranty](http://www.adtran.com/warranty). ADTRAN products may be subject to U.S. export controls and other trade restrictions. Any export, re-export, or transfer of the products contrary to law is prohibited. For more information regarding ADTRAN's export license, please visit [www.adtran.com/exportlicense](http://www.adtran.com/exportlicense).