

## NetVanta Series

## 1570-24-370W

## Layer 3, PoE+ Gigabit Ethernet Switch



Gigabit



Power over Ethernet



VoIP



Low TCO



## Benefits

- 24 - 10/100/1000 Base-T Ethernet Ports
- Up to Four SFP+ Ports with Support for 10 Gbps
- RJ-45 Console Port and Micro-USB Port for Management
- Non-Blocking Layer 2 and Layer 3 Lite Switching Capacity Up to 128 Gbps
- Fully Managed (Web GUI, CLI, SNMP)
- Industry Standard CLI and Configuration
- 802.3at (POE+), 802.3af (PoE) and Legacy PoE Support Up to 370W
- Feature-Rich Adtran Switch Engine for Enterprise Ethernet Switching
- Supports 802.1q VLANs and Trunking, STP, and IGMP
- Advanced Smart Switching Features (ACLs, L2/L3/L4 DiffServ, QoS Policies, LACP Link Aggregation, Broadcast Control, Denial of Service Protection)
- Faster VoIP Deployments with VoIP VLAN and Discovery
- Port Queue-Level Policing and Shaping

## Overview

The NetVanta 1570-24-370W is an enterprise-class, fully managed Gigabit PoE+ switch. This switch is perfect for supporting highly resilient IoT, cloud applications, and Voice over IP (VoIP). It is purpose built for enterprises looking to upgrade their networks with high-performance, reliable, scalable and easy-to-manage switching solutions. The NetVanta 1570-24-370W switch offers advanced multilayer switching, high-bandwidth capabilities, voice-aware features, and the right functionality to enable scaling from small business to enterprise-sized networks.

## Best VoIP Switch, Period.

The NetVanta 1570-24-370W is the best switch for VoIP, delivering high voice fidelity, faster VoIP deployment, ease of management, and maximum network uptime.

- Voice Fidelity: The switch provides 24 GigE ports with four 10 Gbps SFP+ ports, delivering up to 40 Gbps of uplink capacity to support a greater number of HD voice connections, video streaming, Wi-Fi® and other bandwidth-intensive applications.
- Faster Deployment and Ease of Use: Custom VLAN Organization Unique Identifier (OUI) assignment simplifies VoIP deployments. The switch offers flexible management options including Web GUI and Command Line Interface (CLI).
- Maximum Uptime: The NetVanta 1570-24-370W includes an industry-standard warranty, world-class product support, advanced hardware replacement, and optional ProCare Service minimizing business risk.

## Security

The NetVanta 1570-24-370W offers a variety of data security features including Denial of Service (DoS) protection, MAC-based port security, 802.1x port authentication, multi-level user passwords, Secure Shell (SSH), ARP Inspection and Secure Socket Layer (SSL) for encrypted user login. Additionally, these switches support Authentication, Authorization and Accounting (AAA) for authentication with RADIUS and TACACS+.

## Redundancy and Convergence

These switches support common Ethernet protocols like Spanning Tree, Rapid Spanning-Tree, and Multiple Spanning Tree.

## Administration

The Adtran switch engine offers both a CLI and an intuitive Web-based GUI. To automate setup and configuration, the NetVanta 1570-24-370W enables DHCP out of the box that provides the ability to discover and provision the switch configuration. Tools such as network forensics, cable, and SFP diagnostics simplify troubleshooting.

The NetVanta 1570-24-370W can also be remotely managed by the Adtran n-Command® MSP platform. Adtran n-Command offers the ability to discover devices, make mass configuration changes or firmware upgrades, backup/restore configurations, and generate inventory reports for asset management. Adtran n-Command MSP also offers VoIP VQM and reporting, as well as an industry-leading, easy-to-use, GUI.

# 1570-24-370W

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## Product Specifications

### Physical Interfaces

#### Ethernet Ports

- 24 x 10/100/1000Base-T
- 4 x Multirate SFP+ Ports (1G/10G)

#### Console Port

- RJ-45
- Micro USB

### Switching Performance

- Non-blocking Layer 2/3 Lite Switching
- 32,000 MAC addresses
- 4,000 VLANs
- Switching Performance: 128Gbps
- Forwarding Performance: 95.232Mpps

### Layer 2 Support

- 802.1d Spanning Tree
- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree
- 802.1q VLAN switching and Trunking
- 802.3ad Link Aggregation
- Jumbo Frames (12288)
- Static and Dynamic LACP trunks (IEEE 802.3ad)
- IGMP v1/v2/v3 Snooping/Querier/Proxy
- MLD v1/v2 Snooping
- 802.3x Flow Control
- GVRP/MRP/MVRP
- Loop Protection Layer 3 Support

### Layer 3 Lite Support

- DHCP Server and Relay
- 2000 ARP Entries
- IPv4/IPv6 L3 Static Routes
- OSPF v2/v3
- RIP v1/v2
- Route Table
  - IPv4 Routes 18K
  - IPv6 routes 9K

### Diagnostics

- Port and Flow Mirroring
- Uni Directional Link Protection
- LLDP (802.1ab)
- LLDP-MED
- Ping, Traceroute
- sFlow
- Cable Diagnostics

### Front Panel Status LEDs

- System
- LAN: Link, Activity
- LED Port Button: Toggle Port LEDs between Link, Activity, and POE Status

### Quality of Service

- 802.1p, Drop Precedence Level, DSCP, Priority
- Eight Hardware Queues per Port
- Classification and Remarking ACLs
- Strict Priority Scheduling
- Weighted Round Robin
- Policing and Shaping Per Port
- 802.1x Port- and Queue-based
- WRED
- QoS Control List
- Drop Eligible Indicator
- Ingress and Egress Maps
- Storm Policing

### VLAN

- 4K VLANs Simultaneously
- Port-based VLANs
- 802.1Q Tagged Trunked
- Private VLANs
- Voice VLANs
- Guest VLANs
- 802.1v Protocol VLAN
- MAC-based VLAN
- IP Subnet-Based VLAN
- Management VLAN
- Q-in-Q VLAN
- GARP VLAN Registration Protocol

## Security

- 802.1x Port Authentication
- L2 VLAN Client Isolation
- Port Security
- IP Source Guard
- RADIUS/TACACS+
- DoS Protection
- DHCP Snooping
- Hardware ACLs
- Users and Privilege Levels
- ARP Inspection

## Administration

- CLI (Console/Telnet/SSH)
- SNMP v1, v2c, v3
- Web-based GUI
- Dual image
- SYSLOG
- RMON
- sFlow
- RADIUS
- TACACS+
- NTP
- n-Command Support

## PoE

- 802.3af (PoE), 802.3at (PoE+) and Legacy PoE
- Max 30 Watts per Port
- Total 370W Available Power
- 802.3az Energy Efficient Ethernet
- Power Management
- PoE Scheduling

## Environment

- Operating Temperature: 32° to 122°F (0° to 50°C)
- Storage Temperature: -40° to 158°F (-20° to 70°C)
- Relative Humidity: Up to 90%, Non-condensing

## Physical and Power

- NetVanta 1570-24-370W
  - Chassis: 1U Metal Enclosure
  - Mount: Desktop, Wall, and Rack
  - Dimensions: 1.73 in. x 17.4 in. x 8.3in. (4.4 cm x 44.2 cm x 21.1 cm) (H x W x D)
  - Weight: 8.4 lbs (3.8 Kg)
  - Voltage: 100-240 VAC, 50/60 Hz
  - Max Wattage with PoE: 475W

## Agency Approvals

- CB (IEC 62368-1)
- UL (UL 62368-1)
- FCC
- CE/EMC
- EN 300 386

## Warranty

- Limited Lifetime Warranty



NetVanta 1570-24-370W Front

# 1570-24-370W

## Ordering Information

Equipment	Part No.
<b>Chassis</b>	
NetVanta 1570-24-370W	17101574PF1
<b>SFPs</b>	
1000Base-SX 850nm SFP	1200480E1
1000Base-LX 1310nm SFP	1200481E1
1000BaseT Copper SFP	1200485G1
2.5 Gbps Multimode SFP	1200482G1
2.5 Gbps Singlemode SFP	1200483G1
10G Base-SR 850nm SFP+	1700485F1
10G Base-LR 1310nm SFP+	1700486F1
<b>Interconnect Cables</b>	
SFP+ (1 meter)	1710484F1
SFP+ (3 meter)	1710484F3
SFP+ (5 meter)	1710484F5
<b>Brackets</b>	
19" Rackmount Bracket – 24/48 Port	1700519F1
Wallmount Bracket – 24 Port	1700520F1

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