



NetVanta 150

802.11 a/b/g Dual Radio Wireless Access Point

Product Features

- 802.11a/b/g Dual Radio Wireless Access Point
- Robust, business-class security including WPA and WPA2 support
- WMM QoS (Wi-Fi Multimedia Quality of Service)
- 802.1x user authentication
- 802.3af compliant PoE support for flexible deployment
- Supports eight Virtual Access Points per radio
- Centrally manage multiple access points
- Wi-Fi Certified
- Industry-leading warranty

Wi-Fi enable your NetVanta network with a NetVanta 150 lightweight Wireless Access Point. Providing concurrent 802.11b/g and 802.11a radio support at speeds up to 54 Mbps, this business-class access point is perfect for the corporate environment needing a secure, integrated WLAN solution.

Hardware

The small form factor of the NetVanta 150 allows it to be placed in discrete locations and can be desktop or wall-mounted. In addition, the auto-sensing 10/100Base-T 802.3af compliant Ethernet port can be used to power the unit, expanding installation options by eliminating the need to be near a power outlet.

Security

The NetVanta 150 offers standard security features like shared-key authentication, MAC authentication, Static WEP (Wired Equivalent Privacy) keys and pre-shared WPA (Wi-Fi Protected Access) keys. For advanced business-class security needs, the NetVanta 150 also supports multiple SSIDs and the ability to disable SSID broadcasts, 802.1x for user-based authentication, TKIP (Temporal

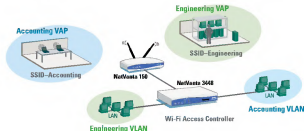
Key Integrity Protocol) for WPA encryption, and AES (Advanced Encryption Standard) for WPA2 encryption. Together these security standards ensure a highly protected wireless network infrastructure.

Virtual Access Points

The NetVanta 150 employs Virtual Access Points (VAPs), the equivalent of wireless Virtual LANs (VLANs). Each radio in the NetVanta 150 supports up to eight VAPs, enabling enterprise customers to securely segment their wireless network traffic.

Administration

Designed exclusively to co-exist with other NetVanta products, the NetVanta 150 is centrally managed through an ADTRAN Wi-Fi access controller unit. No matter where the NetVanta 150 sits in the network, it can be centrally managed using the controller units Command Line Interface (CLI) or easy-to-use Web-GUI. ADTRAN Wi-Fi access controller units currently include the NetVanta 1335, NetVanta 3448, NetVanta 3430, NetVanta 3130, and NetVanta 3120. All of these Wi-Fi access controllers can manage up to eight NetVanta 150s.





ADTRAN, Inc.
International Department
801 Explorer Boulevard
Huntsville, Alabama 35896
USA

www.adtran.com/global/

U.S. Headquarters
+1 256 963 9000
+1 256 963 6300 fax
international@adtran.com

International Customer Service

+1 256 963 8716 fax

Asia—Beijing, China

+86 10 8527 5011

+86 10 8527 5010 fax
asia.china@adtran.com

Hong Kong

+852 3887 7111

+852 2116 4064 fax
asia.hk@adtran.com

Asia—Bangkok, Thailand

+66 2 625 3085

+66 2 625 2142 fax
asia.th@adtran.com

Asia—Singapore

+65 6248 4665

+65 6248 8521 fax
asia.sg@adtran.com

Australia/New Zealand—

Melbourne, Australia

+61 3 9569 0500

+61 3 9569 0509 fax
asia.austnzw@adtran.com

Australia/New Zealand—

Sydney, Australia

+61 2 9956 2465

+61 2 9956 2244 fax
asia.austnzw@adtran.com

Canada—Montreal, Quebec

+1 877 823 8728

+1 514 988 2188 fax
asia.canada@adtran.com

Canada—Toronto, Ontario

+1 514 940 2888

+1 514 988 2188 fax
asia.canada@adtran.com

EMEA Regional Headquarters—

United Kingdom

+44 1258 830655

+44 1258 830656 fax
asia.emea@adtran.com

Australia/New Zealand—

Melbourne, Australia

+61 3 9569 0500

+61 3 9569 0509 fax
asia.austnzw@adtran.com

Mexico/Caribbean/

Central America—

USA

+1 256 963 8716

+1 256 963 6300 fax
asia.caribmex@adtran.com

South America—USA

+1 256 963 8716

+1 256 963 6300 fax
asia.latam@adtran.com

South America—USA

+1 256 963 8716

+1 256 963 6300 fax
asia.southam@adtran.com



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Product Specifications

Physical Interface

- LAN: One auto-sensing 10/100Base-T port (RJ-45) with 802.3af Power over Ethernet (PoE) support
- Antenna Connector: Two reverse SMA antenna connectors

Antennas

- Two removable dual-band antennas with R-SMA connectors
- Frequency: 2.4 GHz and 5 GHz
- Gain: 2 dBi
- Length: 14 cm

Diagnostics LEDs

- Status
- Ethernet
- 5 GHz 802.11a
- 2.4 GHz 802.11b/g

Wireless

- IEEE 802.11a/b/g up to 54 Mbps
- Adjustable Transmit Power Control (TPC)
- WMM QoS (Wi-Fi Multimedia Quality of Service)

802.11a

- Radio Technology: Orthogonal Frequency Division Multiplexing (OFDM)
- Modulation Type: BPSK, QPSK, 16-QAM, 64-QAM
- Operating Channels:
 - US and Canada: 13
 - ETSI: up to 19 (country dependent)
 - Japan: four

802.11b

- Radio Technology: Direct Sequence Spread Spectrum (DSSS)
- Modulation Type: CCK, BPSK, QPSK
- Operating Channels:
 - US and Canada: 11
 - ETSI: up to 13 (country dependent)
 - Japan: 13
- Data rates: 11, 5.5, 2, 1 Mbps

802.11g

- Radio Technology: Orthogonal Frequency Division Multiplexing (OFDM) (DSSS)
- Modulation Type: BPSK, QPSK, 16-QAM, 64-QAM
- Operating Channels:
 - US and Canada: 11
 - ETSI: up to 13 (country dependent)
 - Japan: 13
- Data rates: 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps

Authentication & Security

- SSID, Multiple SSID, and Disable SSID broadcast
- Shared-key authentication
- MAC address authentication
- 802.1x RADIUS user authentication

- WEP (Wired Equivalent Privacy)
- WPA (Wi-Fi Protected Access)
 - TKIP (Temporal Key Integrity Protocol)
 - PSK (Pre-Shared Keys)
- WPA2 (802.11i)
 - AES (Advanced Encryption Standard)
- VPN pass-through

Administration

- NetVanta Wi-Fi Access Controller required to manage
- Familiar GUI via Wi-Fi Access Controller
- Web GUI via Wi-Fi Access Controller

Supported Wi-Fi Controllers

- NetVanta 1335
- NetVanta 2448
- NetVanta 2430
- NetVanta 2120
- NetVanta 2130

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: Self-standing, plastic enclosure
- Dimensions: 4.1 cm H, 18.1 cm W, 13.3 cm D
- Weight: 68 Kg

Power Requirements

- External AC power or PoE
- 7W Power over Ethernet (802.3af compliant)
- Optional 12 VDC AC to DC power adapter

Safety & Agency Approvals

- FCC Part 15 Subpart C 15.207, 15.247
- FCC Part 15 Subpart E 15.407
- FCC Part 15 Class B
- ICES-003 Class B
- CE Mark
 - ETS 300 328 2.4 GHz
 - ETS 301 880 5.4 GHz
 - ETS 301 489 EMC
- EN60950-1/IEC60950-1
 - EN55022, EN55024
- AS/NZS CISPR 22 Class B (Australia & New Zealand)
- AS/NZS 4771 (C-tick)
- Industry Canada C303
- UL Listed UL60950-1
- UL Listed (Canadian Electrical Code/CSA 22.2 No. 60950-1)
- RoHS

Ordering Information

Equipment	Part #
NetVanta 150	1706412E1
NetVanta 150 w/ AC Power Supply	4706412E1A/N

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