



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
- 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 five-year North American warranty

Wi-Fi® enable your NetVanta network with NetVanta 150 Wireless Access Points. Providing concurrent 802.11b/g and 802.11a radio support at speeds up to 54Mbps, 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 like within a drop-ceiling, under a raised floor, or mounted on the wall. 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 SSID (Service Set Identifier), 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

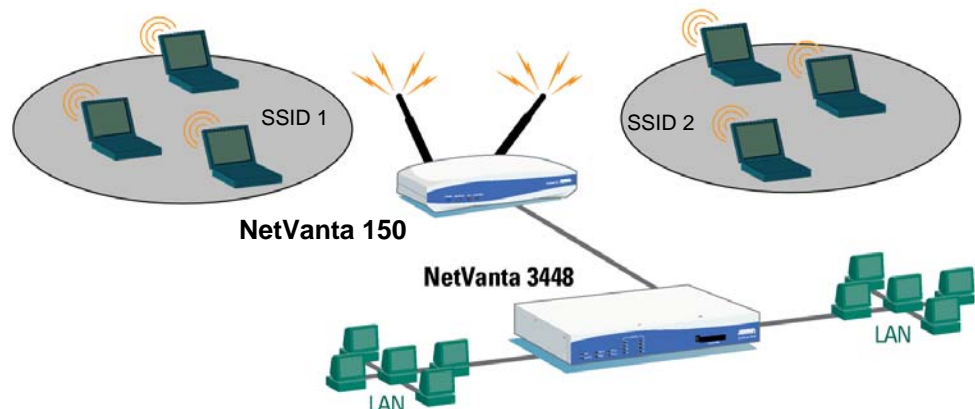
SSID broadcasts, 802.1x for user-based authentication, TKIP (Temporal Key Integrity Protocol) for WPA encryption, and AES (Advanced Encryption Standard) for WPA2 encryption. Together these security standards ensure a highly protected wireless network infrastructure.

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 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 controller units included the NetVanta 1335, NetVanta 3448, NetVanta 3430, NetVanta 3130, and NetVanta 3120 and any of these controller units can manage up to eight NetVanta 150s.



802.11 a/b/g Dual Radio Wireless Access Point

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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 removeable dual-band antennas with R-SMA connectors
- Frequency: 2.4 GHz and 5 GHz
- Gain: 2 dBi
- Length: 5.5 in (14 cm)

Diagnostics LEDs

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

Wireless

- IEEE 802.11a/b/g up to 54 Mbps
- Adjustable Transmit Power Control (TPC)

802.11a/g

- Radio Technology: Orthogonal Frequency Division Multiplexing (OFDM)
- Modulation Type: BPSK, QPSK, 16-QAM, 65-QAM
- Operating Channels:
 - 802.11a: 12 US and Canada
 - 802.11g: 11 US and Canada
- Data rates: 6, 9, 12, 18, 24, 36, 48, 54 Mbps per channel

802.11b

- Radio Technology: Direct Sequence Spread Spectrum (DSSS)
- Modulation Type: CCK, BPSK, QPSK
- Operating Channels: 11 US and Canada
- Data rates: 1, 2, 5.5, 11 Mbps per channel

Authentication & Security

- SSID, Multiple SSID, and Block 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 Controller required to manage
- Familiar CLI via Wi-Fi Controller
- Web GUI via Wi-Fi Controller

Supported Wi-Fi Controllers

- NetVanta 1335 ■ NetVanta 3120
- NetVanta 3448 ■ NetVanta 3130
- NetVanta 3430

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:** 1.625" H, 7.5" W, 5.25" D
- **Weight:** 1 lb.

Power Requirements

- External AC power or PoE
- 6W Power over Ethernet (802.3.af compliant)
- Optional 12VDC AC to DC power adapter

Safety & Agency Approvals

- FCC Part 15 Subpart C 15.247
- ICES-003 Class B
- RSS 210 (Canada)
- VCCI Class B (Japan)
- CE Mark with NB letter of opinion for RTTE
 - ETS 300 328 2.4 GHZ
 - ETS 301 893 5.4 GHZ
 - ETS 301 489 EMC
- AS/NZS 3548 Class B (Australia & New Zealand)
- AS/NZS 4771 (C-tick)
- Industry Canada CS03
- UL Listed (UL60950)
- UL Listed (Canadian Electrical Code/CSA 22.2 No. 60950)
- EN60950/IEC60950
- RoHS

Ordering Information

Equipment	Part #
NetVanta 150	1700412E1
NetVanta 150 w/ AC Power Supply	4700412E1



Specifications subject to change without notice.



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