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

- Industry-leading five-year North American 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 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 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
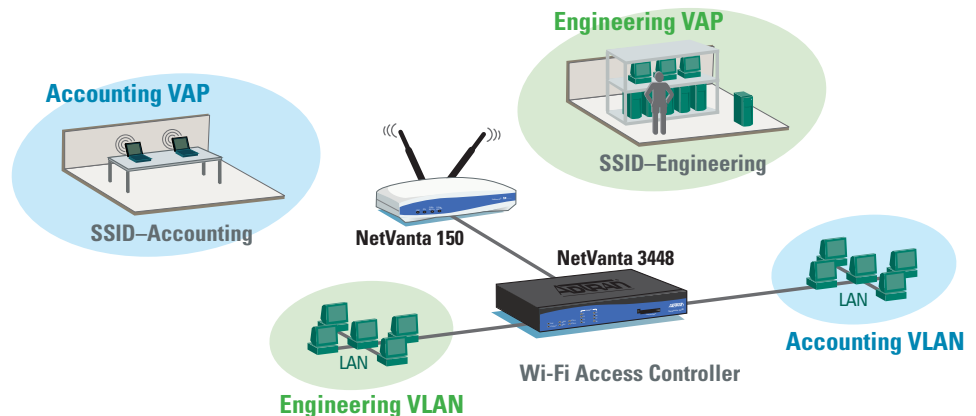
AES (Advanced Encryption Standard) for WPA2 encryption. Together these security standards ensure a highly protected wireless network infrastructure.

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. The NetVanta 150 is easily managed by one of ADTRAN's access controllers. This controller functionality is integrated into the NetVanta and Total Access router and switch products. These products are able to manage up to 24 WAPs simultaneously.

Engineering VAP

Accounting VAP

SSID–Engineering

SSID–Accounting

NetVanta 150

NetVanta 3448

LAN

Accounting VLAN

LAN

Wi-Fi Access Controller

Engineering VLAN

NetVanta 150

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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:** 5.5 in (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 CLI via Wi-Fi Access Controller
- Web GUI via Wi-Fi Access Controller

Supported Wi-Fi Controllers
- NetVanta 1234
- NetVanta 1238
- NetVanta 1335
- NetVanta 1534
- NetVanta 1544
- NetVanta 1544F
- NetVanta 1544P
- NetVanta 3120
- NetVanta 3130
- NetVanta 3430
- NetVanta 3448
- NetVanta 3450
- NetVanta 3458
- NetVanta 4430
- NetVanta 6355
- NetVanta 7060
- NetVanta 7100
- Total Access 900/900e Series

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:** 1.5 lb.

Power Requirements
- External AC power or PoE
- 7W Power over Ethernet (802.3.af compliant)
- Optional 12VDC 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 301 893 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 CS03
- UL Listed UL60950-1
- UL Listed (Canadian Electrical Code/CSA 22.2 No. 60950-1)
- RoHS

Ordering Information

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