

# NetVanta 160/161

## High-Performance Dual Radio 802.11n Access Points

### Product Features

- 802.11a/b/g/n wireless access points supporting MIMO antenna technology
- Dual radio 2.4 Ghz and 5 Ghz
- Embedded antenna array
- Full 2x3:2 MIMO performance powered by 802.3af Power over Ethernet (PoE)
- Supports WMM/802.11e and Quality of Service (QoS) for Enterprise-class Voice over Wi-Fi
- Automatic channel and power adjustments to optimize coverage and maximize performance

**Wi-Fi® enable your NetVanta® network with a NetVanta 160 or 161 lightweight Access Point (AP).** Providing 802.11a/b/g/n radio support at speeds up to 300 Mbps, these business-class APs are perfect for the corporate environment needing a secure, integrated WLAN solution.

The NetVanta 160/161 are ideally suited for organizations requiring true enterprise mobility. Designed for environments and applications that require high capacity, scale and speed, these access points provide predictable and reliable wireless coverage that improve client performance and the end-user experience.

#### Hardware

These 802.11n access points support 2 x 300 Mbps streams and include a Gigabit Ethernet port — delivering market leading coverage and throughput. The NetVanta 160/161 APs are fully functional with the power delivered by a single-port 802.3af PoE solution.

#### Wireless VoIP and Video

Leveraging ADTRAN's technology leadership, the NetVanta 160/161 APs are engineered to support the requirements of high-speed wireless technologies, emerging bandwidth intensive applications and latency sensitive services such as voice and video.

#### Virtual Access Points

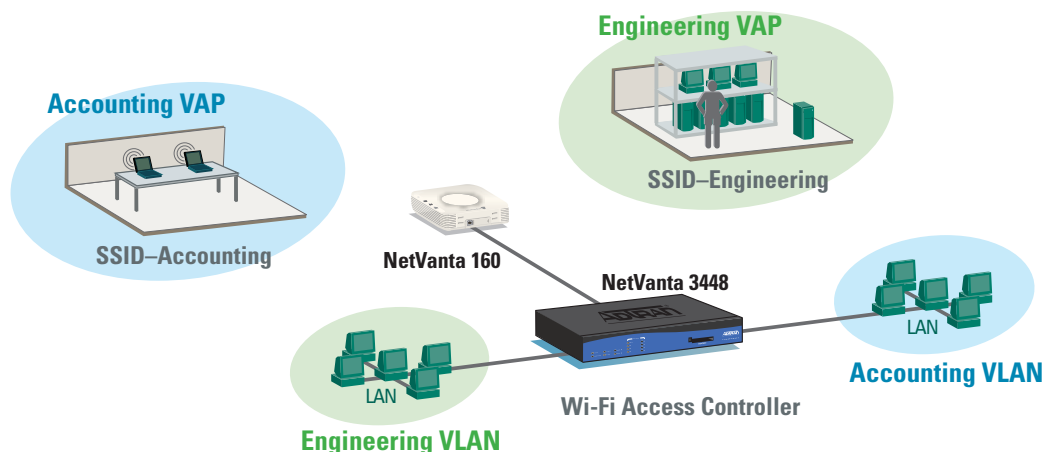
The NetVanta 160/161 employs Virtual Access Points (VAPs), the equivalent of wireless Virtual LANs (VLANs). Each radio in the NetVanta 160/161 supports up to eight VAPs, enabling enterprise customers to securely segment their wireless network traffic.

#### Unmatched Security

The NetVanta 160/161 APs support local MAC authentication, 802.1x port-based authentication, Wireless Protected Access (WPA), and 802.11i (WPA2) with multiple Extensible Authentication Protocol (EAP) methods for user authentication such as PEAP, FAST, TTLS, AKA, SIM and TLS.

#### Antenna Options

To meet customers' specific requirements, ADTRAN® offers internal and external antenna options. The NetVanta 160 access point features an internal, six antenna array for standard coverage. The NetVanta 161 access point features six external RP-SMA connectors for specialized antennas that are commonly used in the deployment of outdoor or directional antennas.





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FOR A Safer  
ENVIRONMENT

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

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# NetVanta 160/161

High-Performance Dual Radio  
802.11n Access Points



## Product Specifications

### Interfaces

- One Auto-sensing, 10/100/1000Base-T, RJ-45 connector
- RJ-45 Console Port

### Antenna

- NetVanta 160 AP:** Six internal MIMO antennas
- NetVanta 161 AP:** Six external RP-SMA connectors for specialized antennas

### Radios

- 802.11a/n and 802.11b/g/n
- A-MPDU Frame Aggregation
- HT20 and HT40 Modes

### Mobility Services

- Eight SSIDs per Radio

### Voice Quality of Service

- Wireless Multi-Media QoS
- Seamless Layer 2
- WMM Power Save (U-APSD)
- Single Click Voice Configuration
  - Simple and Automatic Policy Configuration
  - Advanced Quality of Service

### Security

- 802.1x Port-based Authentication
- WEP-64/128
- WPA/WPA2-Personal
- WPA/WPA2-Enterprise
- EAP-TTLS    EAP-PEAP    EAP-FAST
- EAP-TLS    EAP-SIM    EAP-AKA

### Environment

- Operating Temperature:** -22° to 131° F (-30° to 55° C)
- Humidity:** Maximum 95% noncondensing

### Physical

#### NetVanta 160 AP

- Dimensions:** 2.1 in. x 7.8 in. x 7.8 in. (5.4 cm x 19.8 cm x 19.8 cm) (H x W x D)
- Weight:** 2 lbs (0.9 kg)

#### NetVanta 161 AP

- Dimensions:** 1.8 in. x 7.8 in. x 7.8 in. (4.6 cm x 19.8 cm x 19.8 cm) (H x W x D)
- Weight:** 1.5 lbs. (0.7 kg)

### Administration

- Requires AOS 10.4 or Higher
- 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 1234/1234P*          | ■ NetVanta 3430 |
| ■ NetVanta 1238/1238P*          | ■ NetVanta 3448 |
| ■ NetVanta 1335/1335P           | ■ NetVanta 3450 |
| ■ NetVanta 1534/1534P           | ■ NetVanta 3458 |
| ■ NetVanta 1544/1544P/1544F     | ■ NetVanta 4430 |
| ■ NetVanta 1638/1638P           | ■ NetVanta 6355 |
| ■ NetVanta 3120                 | ■ NetVanta 7060 |
| ■ NetVanta 3130                 | ■ NetVanta 7100 |
| ■ Total Access® 900/900e Series |                 |

\* 2nd generation units only

## Power

- 100mW TX
- 802.3af Compliant PoE
- External 12V DC Power Adapter (Optional)

## Mounting

- Desktop/Wall/Ceiling/T-bar Mount Kit Included
- Plenum Rated
- Flush Mount Suspended Ceiling Kit (Optional)
- Anti-theft:** Compatible with Kensington-style Locks

## Agency Approvals

- Electrical/Safety Compliance
  - UL 1950
  - IEC 60950
  - CSA 22.2
  - EN 60950

## Radio Approvals

- FCC Part 15.247
- EN 300.328 (Europe)
- AS/NZS 4771 (Australia & New Zealand)
- NCC (Taiwan) and IDA (Singapore)
- EMI and Susceptibility (Class A)
- FCC Part 15.107 and 15.109
- EN 301.489-1 and -17 (Europe)
- AS/NZS 3548
- RSS-210 (Canada)
- ICES-003 (Canada)

## Warranty

- One-year

## Ordering Information

Equipment	Part No.
<b>NetVanta 160 AP</b> 802.11a/b/g/n, Internal MIMO Antennas	<b>1700416F1</b>
<b>NetVanta 161 AP</b> 802.11a/b/g/n, Six External RP-SMA Connectors	<b>1700417F1</b>
<b>Accessories and Options</b>	
12V External Power Supply	<b>1700922F1</b>
802.3af Compliant PoE Injector	<b>1700920F1</b>
Suspended Ceiling Bracket	<b>1700921F1</b>
2.4Ghz and 5Ghz Omni Antennas	<b>1700939F1</b>