



# NetVanta 3200/3205

## Modular Access Router

### Product Features

- Interchangeable Network Interface Modules (NIM) match bandwidth requirements
- Command Line Interface (CLI) mimics de facto industry standard
- Available DSX-1 interface supplies TDM voice transport
- Comprehensive dial backup system prevents network downtime
- Stateful inspection firewall protects against cyber attacks
- Network Address Translation (NAT) conceals private IP addresses
- Feature-rich ADTRAN Operating System (OS) eliminates re-training
- Auto-sensing 10/100BaseT interface accommodates mixed Ethernet environments
- Built-in DSU/CSU
- Industry-leading five-year warranty

The NetVanta™ 3000 Series is a line of modular access routers designed for cost-effective branch office connectivity over frame relay or point-to-point networks and Internet access. These modular platforms offer a turnkey solution for access routing and WAN connectivity in a single, compact package.

The NetVanta 3000 Series currently offers the NetVanta 3200 and the NetVanta 3205, with a variety of interchangeable Network Interface Modules (NIMs) and Dial Backup Modules (DIMs). The two products support the same features and perform the same functions, but the NetVanta 3200 is a stand-alone unit in a plastic housing, while the NetVanta 3205 is a 1U high, rackmountable metal enclosure.

The NIM is a plug-in module that offers a built-in DSU/CSU for 56/64K, T1/FT1, T1/FT1 with DSX-1, or a serial interface. An analog modem or ISDN BRI DIM plugs-on to the NIM, which prevents downtime by dialing around a failed primary circuit, guaranteeing bandwidth for mission critical applications. All NIMs and DIMs are field upgradable and can be configured remotely, thus eliminating the need for additional on-site technical expertise.

The versatile hardware platform of the NetVanta 3000 Series is further complemented with the ADTRAN Operating System (OS). The ADTRAN OS supports static and default routes, and allows for fast, accurate network convergence using routing protocols such as RIP versions 1 and 2. In addition, the ADTRAN OS terminates Frame Relay and PPP WAN protocols.

The ADTRAN OS offers a standard Command Line Interface (CLI) that mimics the widely adopted, industry *de facto* standard.

Using an already familiar CLI eliminates training cost associated with learning a new operating system or costly industry certifications. The CLI also allows for configuration scripts to be used, saved, and downloaded for quick and easy backups or as a recovery mechanism.

For added security, the NetVanta 3000 Series also provides a powerful, high-performance stateful inspection firewall. It will examine all incoming and outgoing packets against the security policies established by the IT Manager. In addition, the firewall can identify and protect against common Denial of Service (DoS) attempts like TCP syn flooding, IP spoofing, ICMP redirect, LAN attacks, ping-of-death, and IP reassembly problems.

The NetVanta 3000 Series also includes built-in alert and logging mechanisms for notifying network administrators about suspicious activities that are going on in the network. As another layer of security, the NetVanta 3000 Series also offers IP address concealment and conservation by performing Network Address Translation (NAT).

ADTRAN, the leader in WAN connectivity, offers reliable equipment that increases network performance, lowers cost and positions networks for the future. The NetVanta 3000 Series is no exception. With this kind of corporate backing and product versatility, the NetVanta 3000 Series offers a low-cost, feature-rich access router platform with the freedom for future expansion and network growth. In addition, these products are backed by an industry-leading five-year warranty and ADTRAN's world-class 24-hour technical support.





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## Modular Access Router

### Physical Interface

- **NIM:** 56/64K, T1/FT1, T1/FT1 with DSX-1, and Serial
- **DIM:** Analog Modem and ISDN BRI
- **LAN:** Auto-sensing 10/100BaseT Ethernet Ports (RJ-45)
- Console Port

### Firewall

- Stateful Inspection Firewall
- Cyber Assault Protection
- Denial of Service (DoS)

### Diagnostics

#### Front Panel Status LEDs

- Power
- **WAN:** link, transmit, receive
- **LAN:** link, transmit, receive
- **Dial backup:** transmit and receive

### Processor and Memory

- 80 MHz, Motorola MPC 860
- **RAM:** 16 MB
- **FLASH:** 8 MB

### Administration

- SYSLOG logging in WELF format
- Email alerts (SMTP)
- Access control policies based on time-of-day
- User accounting policy statistics

### WAN Protocol

- Frame Relay
- PPP

### Routing Protocol

- RIP v1 & v2
- Static
- Bridging (other protocols)

### Routed Protocol

- IP
- Bridging (other protocols)

### Frame Relay

- Support for both point-to-point and point-to-multipoint networks
- RFC 1490 Encapsulation (Multiprotocol Over Frame Relay)
- LMI types: LMI, ANSI (Annex D), CCITT (Annex A) and Static

### PPP

- LCP, IPCP, BCP, CCP
- Van Jacobson (VJ) header compression

### Network Address Translation

- Basic NAT (1:1)
- NAT (Many:1)
- Reverse NAT (translation of an inbound session's destination IP address)

### DHCP

- Client and Server
- Relay

### 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

#### NetVanta 3200

- **Chassis:** Self-standing desktop unit with plastic enclosure
- **Dimensions:** 1.625" H, 9" W, 6.375" D
- **Weight:** 2 lbs.
- **Power:** 12 vDC

#### NetVanta 3205

- **Chassis:** 1U, rackmountable metal enclosure
- **Dimensions:** 1.25" H, 17.25" W, 7.75" D
- **Weight:** 7 lbs.
- **Power:** 100-250 vAC, 50/60 Hz

### Agency Approvals

- FCC Part 68
- Industry Canada CS03
- UL & Canadian UL (CUL), IEC/EN, CSA
- CE Mark

## Ordering Information

Equipment	Part #
NetVanta 3200 Chassis	1200860L1
NetVanta 3205 Chassis	1200870L1
NetVanta 56/64K NIM	1200861L1
NetVanta T1/FT1 NIM	1200862L1
NetVanta T1/FT1+DSX-1 NIM	1200863L1
NetVanta Serial NIM	1200866L1
NetVanta Analog Modem DIM	1200864L1
NetVanta ISDN BRI DIM	1200865L1
<b>Systems</b>	
NetVanta 3200 with 56/64K NIM	4200861L1
NetVanta 3200 with T1/FT1 NIM	4200862L1
NetVanta 3200 with T1/FT1+DSX-1 NIM	4200863L1
NetVanta 3200 with Serial NIM	4200866L1
NetVanta 3205 with 56/64K NIM	4200871L1
NetVanta 3205 with T1/FT1 NIM	4200872L1
NetVanta 3205 with T1/FT1+DSX-1 NIM	4200873L1
NetVanta 3205 with Serial NIM	4200876L1
<b>Maintenance</b>	
ACES Software	1100601N2
ACES 5x8xNBD Maintenance One Year	1100201N2
ACES SITE NBD Maintenance One Year	1100203N2
ACES SITE 5X8X4 Maintenance One Year	1100204N2
ACES SITE 7X24X4 Maintenance One Year	1100205N2

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