



NetVanta 3305

Multi-Slot Access Router

Product Features

- Dual Interchangeable Network Interface Modules (NIMs)
- Dual auto-sensing 10/100BaseT interfaces for LAN segmentation
- 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
- Built-in DSU/CSU
- Industry-leading five-year warranty

The NetVanta™ 3000 Series of modular access routers are designed for cost-effective Internet access, corporate Frame Relay, and point-to-point connectivity. The NetVanta 3000 Series currently consists of the NetVanta 3200, 3205, and 3305 with a variety of interchangeable Network Interface Modules (NIMs) and Dial Backup Modules (DIMs).

Residing in a 1U high, 19" rack-mountable metal enclosure, the NetVanta 3305 is a single platform that offers dual network interface slots and dual 10/100BaseT Ethernet LAN ports for true LAN segmentation or DMZ applications. A single slot within any of the NetVanta 3000 Series will house a variety of NIMs and DIMs, which include a 56/64K, T1/FT1, T1/FT1 with DSX-1, or a Serial interface. For dial backup an Analog Modem or an ISDN BRI DIM is available for preventing downtime by dialing around a failed circuit and fully compatible with ADTRAN Safe-T-Net™ based systems.

The versatile hardware platform of the NetVanta 3305 is further complemented with the ADTRAN Operating System (OS). The ADTRAN OS allows for the support of static and default routes, and allows for fast, accurate network convergence using routing protocols such as OSPF and RIP version 1 and 2. In addition, the ADTRAN OS terminates Frame Relay and PPP WAN protocols.

For added security, the NetVanta 3305 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, ping-of-death, and IP reassembly problems.

The NetVanta 3305 includes built-in alert and logging mechanisms for notifying network administrators about suspicious activities going on in the network. For managing IP addresses, the NetVanta 3305 can act as a DHCP server by assigning IP addresses, or as a client by receiving an IP address. In addition, the NetVanta 3305 also offers Network Address Translation (NAT/NAPT) for IP address concealment and conservation.

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 a graphic configuration interface, the NetVanta 3000 Series can also be managed from a central location using N-Form™, ADTRAN's web-based network management platform.

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 routing platform with the freedom for future expansion and network growth. In addition, these products are backed by an industry-leading five-year warranty and world-class 24-hour technical support from ADTRAN.



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Physical Interface

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

Firewall

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

Diagnostics

Front Panel Status LEDs

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

Processor and Memory

- 80 MHz, Motorola MPC 860
- **RAM:** 32 MB
- **FLASH:** 8 MB

Administration

- SYSLOG logging
- Email alerts (SMTP)
- Access control policies
- Policy statistics

WAN Protocol

- Frame Relay
- PPP

Routing Protocol

- OSPF
- RIP v1 & v2
- Static

Routed Protocol

- IP
- Bridging (other protocols)

PPP

- LCP, IPCP, BCP

Frame Relay

- Point-to-point
- RFC 1490 Encapsulation (Multiprotocol Over Frame Relay)
- LMI types: LMI, ANSI (Annex D), CCITT (Annex A) and Static

Network Address Translation

- Basic NAT (1:1)
- NATP (Many:1)

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

- **Chassis:** 1U Rack-mountable metal enclosure
- **Dimensions:** 1.25" H, 17.25" W, 7.75" D
- **Weight:** 7.5 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

Product Includes

- User Manual
- Quick Start Guide
- AC Power Cord

Ordering Information

Equipment	Part #
NetVanta 3305 Chassis	1200880L1
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
Systems	
NetVanta 3305 with T1/FT1 NIM	4200882L1
NetVanta 3305 with T1/FT1+DSX-1 NIM	4200883L1



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