

Adit 3200 Series IP Business Router

Release 1.6



The Adit® 3200 series IP Business Router is a new breed of access equipment designed to deliver hosted voice and data services at a disruptive price with unmatched performance, engineered to withstand the inherent stress of an enterprise environment. The Adit 3200 integrates the features of a high-performance router and a stateful firewall with flexible WAN interface options. It replaces multiple elements at the customer premise offering a powerful blend of speed, security, data, hosted VoIP and integrated applications on a single reliable platform. Companies can realize significant cost reduction by taking advantage of a single managed entity to deliver high-value services and availability to their business and enterprise customers.

The integrated design provides the ability to upgrade bandwidth (T1 to Ethernet) and capabilities without the need to replace hardware platforms. Additionally, the Adit 3200 provides integral support for important applications such as VPN, VoIP ALG and DMZ.

Speed Without Sacrificing Security and Performance

The Adit 3200 includes a complete stateful and transparent firewall that inspects, blocks, filters or translates every packet. Stateful firewall functions are combined with application and IP traffic aware protection. Unlike competing offerings, the Adit 3200 maintains wire-speed throughput with low latency for all packet sizes with security features, such as multiple firewall rules and VPN tunnels, turned on. The Adit 3200's VoIP-aware routing engine is based on the latest advanced network processing technology and enables support of key security applications without the typical degradation in performance seen in other legacy solutions on the market.

By integrating all routing and security functions into a single processor, the Adit 3200 cost-effectively supports VPN tunnels, Network Address Translation (NAT/NAPT), stateful packet inspection, flow classification, SIP ALG and intrusion detection. Access control lists also protect traffic flowing in and out of the network. Integrated firewall keeps the network segments secure from intrusions and attacks while allowing authorized access to network resources. VPN provides secure IP access to customers with support for DES, 3DES and AES encryption. All these features are provided in a single reliable platform achieving 99.998% uptime thanks to the lack of any moving parts and excellent heat dissipation.

Simplified Configuration and Management

The Adit 3200's scalability does not increase its complexity. It enables the unified management of what were multiple platforms in the network. Remote provisioning is simplified through both an easy-to-use web interface and an intuitive command line interface. Remote alarms from the Adit 3200 are reported via SNMP, Syslog, e-mail alerts, or through a web interface. The router can also be automatically configured and upgraded remotely.

Major product benefits:

- Comprehensive router, WAN connection, firewall and managed ethernet switch in a single platform with price-disruptive features and performance
- Speed without sacrificing security to deliver public and private IP access at wire-speed across all packet sizes
- Web-enabled stateful firewall provides integrated network-level and application-level protection
- Scalable application that provides data with Quality of Service (QoS) required for carrier-grade VoIP
- Carrier grade reliability, performance and life-cycle to enable mission critical business applications

Components

- Adit 3200 platform
- Included accessories:
 - System software
 - AC power converter (AC models only)
 - DC power cable (DC models only)
 - Wall mount bracket
- 8-hour battery back up unit option
- Rack mount kit option

Interfaces

- 1 T1 WAN port (RJ-48C connector)
 - Framing for T1: SF (D4) or ESF
 - Line Code for T1: B8ZS or AMI
 - Internal or line-derived clock source
 - Supports loop and BERT tests
- 1 10/100Base-T WAN port (RJ-45 connector)
- 4 10/100Base-T switched LAN ports (RJ-45 connector)
- RS-232 console port (DB-9 connector)

Network Standards

- ANSI/TIA T1.403
- ANSI/TIA T1.413 i2
- ANSI/TIA T1.231
- ITU G.703, G.704

Routing and Policy Management

- IPv4
- OSPF
- Static routes
- RIP v1, v2
- PPP
 - ACF, VJ Compression
- DHCP Server/Client/Relay
- DNS Relay, Resolver and BootP Relay
- PAP & CHAP authentication
- Ping and IPCP
- Multi-Protocol Encapsulation
- VLAN support

VPN

- IPSec tunneling
- PPTP & L2TP support
- VPN Interoperability with Cisco, FreeBSD, Netscreen, Checkpoint, SafeNet, Microsoft, FreeSwan
- DES, 3DES and AES
- IKE-based key management
- Digital certificates and pre-shared key authentication

Router Performance

- Wire-speed on Ethernet or T1 interface

Quality of Service

- Configurable ToS marking & interpretation per IETF Std. 5
- VLAN Priority Queuing

Security Features

- Stateful firewall
- NAT/NAPT, NAT Bypass, NAT Pin-Holes
- L1-L4 Flow classification
- Application Layer Gateways including VoIP
- Denial of Service Filtering
- Intrusion detection

Management

- Status indicators
- SNMP v1, v2c (via 10/100Base-T or in-band network)
 - Standard MIBs
- Command Line Interface (CLI), Telnet, FTP, TFTP
- CLI over secure telnet
- Web-based interface over SSL
- RADIUS
- Syslog

Power

- AC Input Voltage: 120/240 VAC @ 60/50 Hz
- DC Input Voltage: -48 VDC, 1 Amp
- Internal solid-state (fuseless) protection
- Power consumption < 12 W

Regulatory Approvals

- USA
 - UL60950
 - FCC Part 15, Class A
 - FCC Part 68 - Interbuilding-Network T1
 - ICSA Compliant (Certification in Process)
- Canada
 - ICES-003 Class A digital devices
 - CSA C22.2 No. 60950-00
 - CS-03 - Interbuilding-Network T1

Physical

- Wall mount brackets (included)
- Rack mount option: 19-inch or 23-inch rack
- Dimensions:
 - 1.75 in (H) x 8.25 in (W) x 12 in (D)
 - 4.4 cm (H) x 21 cm (W) x 30.5 cm (D)
- Weight: 6.25 lb (2.83 kg)

Environment

- Operating temperature range: 32 °F to 104 °F (0 °C to 40 °C)
- Storage temperature range: -40 °F to 158 °F (-40 °C to 70 °C)
- Maximum operating altitude: 10,000 ft (3,048 m)
- Maximum non-operating altitude: 40,000 ft (12,192 m)
- Relative humidity (non-condensing) range: 0% to 95%

Visit our website at www.carrieraccess.com

Copyright © 2007 Carrier Access Corporation. All rights reserved. The Carrier Access logo is a registered trademark of Carrier Access Corporation. All other trademarks are the property of their respective companies. All specifications subject to change without notice. Carrier Access reserves the right to make service substitutions and modifications that do not cause a materially adverse effect in the overall service provided.

Corporate Headquarters
5395 Pearl Parkway
Boulder, Colorado 80301
303-442-5455
www.carrieraccess.com

Services Representatives
services@carrieraccess.com
Phone / 800-365-2593
Fax / 303-218-5678
5395 Pearl Parkway
Boulder, Colorado 80301
www.carrieraccess.com



09-07-JC