

Adit

Single Port Router Service Card

Part Number: 740-0047



Integrated high-performance solution for Internet access and corporate networking

The Adit™ Router Service Card delivers high-speed internet and intranet connectivity to small and medium size businesses and remote and branch office users. A powerful set of standard features includes IP and IPX routing, layer 2 bridging, networking security and management capabilities for deploying integrated services in the digital last mile.

The Adit platform offers a scalable data networking solution. The Adit 600, with six service card slots, supports up to six router cards or any mix of services. This flexibility enables service providers to target multiple dwelling units and multiple tenant units with a single device that supports business class voice, Internet access and data.

The Adit router is easily managed through the Adit system user interface as a single IP address entity. This flexibility offers installation and service advantages over external router solutions. Additional cabling and V.35 interface plus a separate IP address for management make external solutions more costly and cumbersome for customer service deployment.

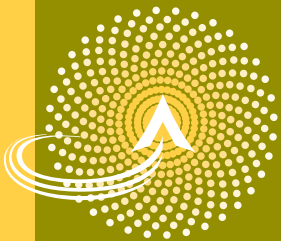
The Adit router is SNMP manageable. Carrier Access offers the Adit Pilot GUI management program with a built-in menu driven interface for the router card. Management connectivity is provided through either the local RS232 craft port, the user data port connection or the Adit management channel (i.e., Ethernet, T1 FDL or a DS0 bearer channel).

The fast changing world of Internet services requires products with the capability to generate new value-added revenues. Unlike internal routing solutions that support software based routing by adding bundles to the system software, the Adit router employs a dedicated processor to ensure high performance and product feature expansion. Management separation between the router and the controller allows the router card software to be upgraded independently. The robust set of base features, coupled with the ability to update software features remotely, eliminates operation and maintenance concerns between IP and voice, private line, or other data services.

The Adit router offers all the performance and expandability of a dedicated router, while providing a low cost solution with simple integrated management through the Adit platform.

Features At-A-Glance:

- Auto-sensing 10/100BaseTX Ethernet
- Multi-point networking with up to eight WAN connections per router. Each WAN connection can be provisioned with multiple DS0s
- Up to six router cards per Adit 600 chassis
- Various data link layers, including IP over ATM when used with the Adit 600 ATM controller
- Dedicated processor to ensure high performance and feature expansion
- Management via menu-driven router interface or the Adit pilot GUI
- Packet filtering
- Network address and port translation
- DHCP relay and server



CarrierAccess

Access with no limits™

Technical Specifications

■ Components:

Product includes router module, and user manual on CD-ROM.

■ WAN Interface:

- Any T1, E1 or DSL interface on the Adit platform
- Up to 8 logical WAN interfaces per router
- PPP, Frame Relay, ATM, HDLC, multi-link PPP and GRE tunneling

■ LAN Interface:

- A single 10/100BaseTX auto-sensing port

■ Routing:

- IPX RIP/SAP
- IP RIPv1, RIPv2, RIPv2 compatibility mode
- Static routing

■ Bridging:

- IEEE 802.1D MAC bridging and spanning tree filtering

■ Performance:

- Up to 3,000 64-byte packets per second

■ Advanced Capabilities:

- Dynamic Host Configuration Protocol (DHCP) server and relay agent
- Van Jacobson message header compression
- BOOTP
- Domain Name Server (DNS) proxy

■ Frame Relay:

- RFC 1490 encapsulation
- ANSI T1.617 Annex D LMI
- ITU Q.933 Annex A LMI

■ ATM:

- 1483 encapsulation
- ILMI

■ Filtering

- Filtering up to layer 4

■ Security:

- 3 user accounts and 3 levels of security
- PAP and CHAP
- Network Address Translation (NAT) and Network Port Translation (NPT)

■ Management:

- Menu driven over RS232
- SNMP, Telnet over IP
- Ethernet management port
- Inband management connection via T1 FDL and DS0 bearer channel
- Adit Pilot GUI and Carrier Access EMS Pilot
- Code download via TFTP
- Configuration upload and download via TFTP

■ Diagnostics:

- Ping

■ MIBs:

- RFC 1212 (Concise MIB)
- RFC 1213 (MIB II)
- RFC 1643 (Ethernet)
- RFC 2233 (Interface)
- RFC 2011 (IP)
- RFC 1471 (LCP/PPP)
- RFC 1473 (IP/PPP)
- RFC 2115 (Frame Relay)
- RFC 2515 (AToM)
- RFC 1406 (DS1/E1)
- RFC 1659 (RS232)
- Enterprise MIB

■ Environment:

- Operating temperature range: 32° to 104°F (0° to 40°C)
- Storage temperature range: -40° to 158°F
- Cooling method is by free air convection
- Maximum operating altitude: 10,000 feet
- Maximum non-operating altitude: 40,000 feet
- Relative humidity (non-condensing) range: 0 to 95%

■ Physical:

- Dimensions: 3 1/2" H x 3/4" W x 11 1/4" D
- Weight: 1 lb.

■ Regulatory Approvals:

- FCC Part 68, CS-03 listed for connection to PSTN
- FCC Part 15, Class A Radiated Emissions Control
- NRTL safety listed: UL 1950, CSA
- National Electrical Code 1996 safety requirements
- NEBS Level 3 certified
- Telcordia TR-NWT-000063, TR-NWT-001089



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