

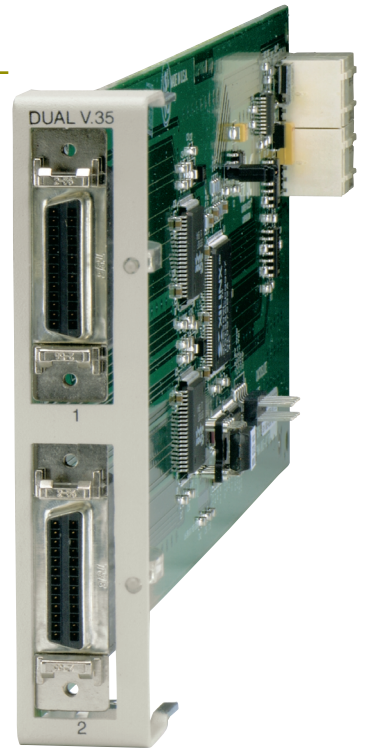
Adit

Dual V.35 Service Card

Part Number: 730-0038

High-speed serial synchronous terminal device connections

The Adit™ Dual V.35 Service Card enables service providers and enterprise network managers to provision connectivity to high-speed serial synchronous Data Terminal Equipment (DTE) devices such as routers, Frame Relay Access Devices (FRAD) and videoconferencing equipment. V.35 service connections supporting frame relay, ATM, or transparent bit streams can be configured over one or more T1 or DSL access lines. TDM or ATM network transport options are available by selecting the appropriate Adit Controller model.



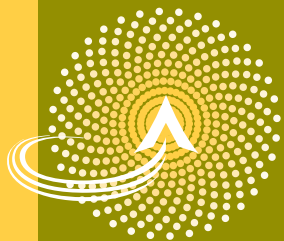
The Adit Dual V.35 Service Card provides scalable high-speed data service capacity to grow with user needs. Up to six Dual V.35 Service Cards may be equipped in an Adit 600 chassis, providing up to 12 fractional T1 V.35 connections from two T1 network connections in one-half rack width. Using two of the Adit Quad T1 Service Cards, 8 T1s can be terminated to 8 V.35 ports with full T1 CSU/DSU functionality in a single, battery-backed, Adit 600 chassis. Adit's digital cross connect (DCS) functionality offers service grooming, T1 re-routing, and voice access integration functions not available in CSU/DSU nests. Access costs are minimized.

Each V.35 port supports any $n \times 56$ or $n \times 64$ Kbps rate up to 6.144 Mbps. Both ports may operate simultaneously at any supported speed. Operation above 1.536 Mbps requires an ATM Controller Card in the Adit chassis. Flexible clocking options include loop timing from any T1 or DSL line and the ability to supply system clock to the connected DTE, providing a wide range of data networking applications.

On-site installation and maintenance is supported with multi-color channel status LEDs for monitoring port activity and channel status. Element management software offers simplicity of installation, testing, and monitoring from SNMP, graphical user interface (Adit Pilot), or command line interface control. Installation time and service testing are streamlined.

Features At-A-Glance:

- Each port provides any $n \times 56$ or $n \times 64$ Kbps data rate up to 6.144 Mbps
- Both ports can operate simultaneously at any supported speed
- Full non-blocking cross connection of all timeslots to any T1 or DSL access line
- Up to 12 V.35 ports may be equipped in a single Adit 600 wall-mounted chassis
- 24 V.35 ports require only two rack units of equipment space in a 19" rack
- Includes integration of T1 CSU/DSU functionality and remote management
- Supports adaptation and transport over TDM, ATM, or Inverse Multiplexing over ATM (IMA) up with appropriate controller card in the Adit chassis
- Integrates V.35 frame relay, ATM, or private line services with voice and Internet access over T1 or DSL ATM transport (requires Adit ATM T1 or DSL controller card)



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Technical Specifications

■ Components:

Unit is a service card component for the Adit™ family of customer service terminals

■ Network Interface:

- T1/E1 TDM or NXT1/E1 IMA

■ Clocking:

- Loop-timed from any T1/E1, ISDN BRI, SDSL, or HDSL2 card installed in the platform
- Sources clock to the DTE device

■ Physical:

- Dimensions: 3 1/2" H x 3/4" W x 11 7/8" D

■ Environment:

- Operating temperature range: 32° to 104°F (0°C to 40°C)
- Storage temperature range: -40° to +158°F (-40° to 70°C)
- Cooling method is by free air convection and requires long axis of unit to be mounted horizontally
- Maximum operating altitude: 10,000 feet
- Maximum non-operating altitude: 40,000 feet
- Relative humidity (non-condensing) range: 0 to 95%

■ Product Includes:

Two V.35 Interfaces

- DCE pinout
- Two Subminiature DB-26 connectors

■ 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

■ Accessories:

Subminiature DB-26 to Winchester Adapter Cables are required to interface DTE with the Dual V.35 card and are listed below. Gender refers to the Winchester connector. One cable per port. Pin mapping information is available in the Adit Reference Manual.

V.35 Adapter Cable part numbers:

005-0008	V.35 Male 10 ft. Cable
005-0009	V.35 Male 25 ft. Cable
005-0010	V.35 Male 50 ft. Cable
005-0011	V.35 Female 10 ft. Cable



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