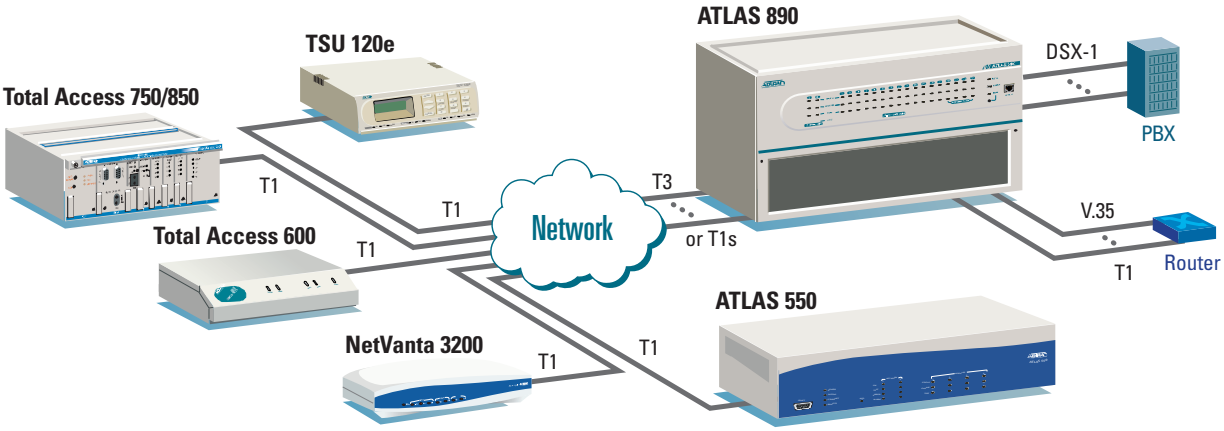
Integrated Access

T1/T3 Voice and Data DACSing

Featuring ATLAS



If you maintain the host connections for several remote sites all served with T1s, the ADTRAN™ ATLAS™ Series of Integrated Access Devices (IADs) can provide you the cost-effective solution you've been looking for to reduce your voice and data costs. With multiple T1s coming into your central site, the ATLAS system acts as a 1/0 or 3/1/0 DACS and splits off voice channels from all the incoming T1s or T3, then grooms and routes those channels to the PBX.

A traditional multiplexer used in this capacity would require 1:1 connections, for example, one PBX port for each remote site. But ATLAS provides the capability of DACSing and grooming multiple links to a single interface. In this way, not only does ATLAS improve your private T1 network host site communications, it also significantly reduces integration costs.

ATLAS also supports multiple V.35 ports so users can split off the data from the remote sites and hand it off to the central site router. Any V.35 port can be set up to operate at any multiple of 56/64 kbps or DS0 channels, up to 2.048 Mbps. Alternatively, users can implement channelized T1 interfaces on the router, and ATLAS will DACS the remote data channels appropriately. This can be a cost-effective alternative to multiple V.35 interfaces on the router.

The ATLAS 550 supports 1/0 DACSing while the ATLAS 830 and 890 offer T3 and 3/1/0 DACSing.

SOLUTION FEATURES

- 1/0 and 3/1/0 DACSing
- Offers time slot interchange to the DS0 level
- Significantly reduces PBX and router port costs
- Small footprint
- Provides an economical solution that will achieve a rapid equipment payback
- Offers compact, modular and scalable platform

ADTRAN®

ATLAS Chassis

- Multifunction integrated access device
- Eight-slot modular platform
- Two T1/PRIs included
- Manage with SNMP, Telnet, VT100
- Scalable to accommodate higher T1 densities and growth

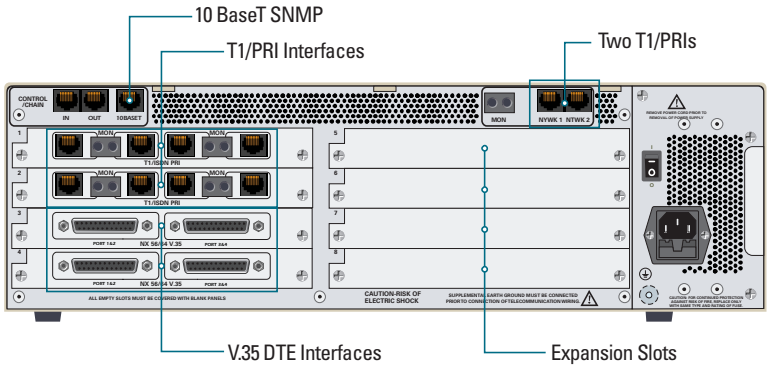
Quad T1/PRI Module

- Four T1/PRI interfaces
- Built-in CSUs
- Configurable for DS-1, PRI or DSX-1 operation
- Maximum distance of 6,000 feet
- D4 and ESF framing formats
- AMI and B8ZS line coding
- Supports monitoring, loopback, test
- Robbed bit signaling to ISDN D-Channel, AMI to B8ZS, D4 to ESF

Quad Nx56/64 Module

- Four V.35 DTE ports
- Synchronous operation to 1.536 Mbps
- V.54 loopback
- Generates/detects 511 test pattern

ATLAS 830



- This configuration targets customers with multiple T1s coming into the central site who need to groom and route voice DS0s to their PBX and data to their router.

ATLAS Multi-T1 Voice/Data Hardware:

- ATLAS 800 base unit
- ATLAS 800 user manual
- Power cord
- Network cables (2)
- Rackmount brackets (left and right)
- RJ45-DB25 adapter (modem and direct)
- RJ45 control port cable (1)
- DSX-1 crossover cable (1)
- RJ48 to DB15 adapter (1)
- ADTRAN Utilities (VT100 emulator, Telnet, TFTP, syslog)
- Quad T1/PRI Modules (2)
  - RJ48-RJ48 cables (8)
  - RJ48-RJ48 crossover cables (4)
  - RJ48-DB15 adapter cables (4)
- Quad Nx56/64 Modules (2)
  - DB37-V.35 adapter cables (4, each servicing two V.35 Winchester connectors)

The ATLAS application packages bundle together the most popular ATLAS configurations. The packages allow a customer to use a single part number to order the ATLAS system pre-configured for a specific application. None of the packages will fill the ATLAS chassis, so additional options can be purchased now or added later. The ATLAS platform and its option modules are also available individually.

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For More Information

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