



# Quad Nx 56/64

## ATLAS Module

### Product Features

- Four V.35 DTE ports
- Synchronous operation to 2.048 Mbps
- Extensive Self-test support
- 50% duty cycle output clock at all rates
- V.54 loopback
- Generates and detects 511 test pattern
- In-band communications channel for remote management
- User-mapping of DS0s to DTE port logical channels
- DTR dialing support
- Occupies a single slot in the ATLAS chassis
- Hot swappable
- Industry-leading five-year North American warranty

**The ADTRAN® Quad Nx 56/64 module combines with other ATLAS™ components to provide solutions for a variety of wide area networking applications.** Providing four synchronous V.35 DTE ports, the Quad Nx 56/64 module serves as the interface for high speed routers and other DTE equipment to access the wide area network.

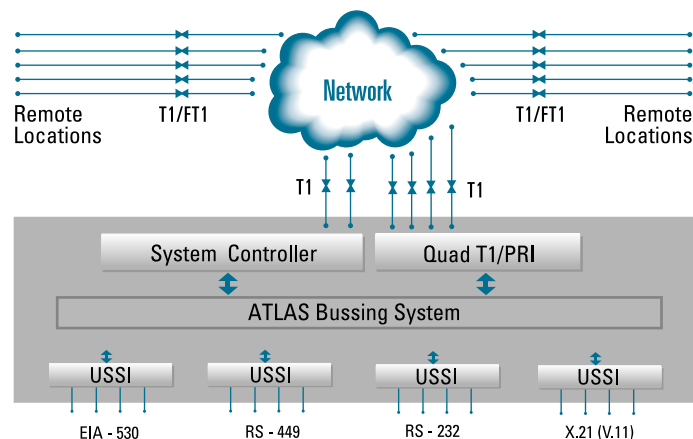
Each port of the Quad Nx 56/64 module can be configured through software to operate at any multiple of 56k or 64 kbps, up to 2.048 Mbps.

Using the ATLAS Channel Mapping Utility, a port can be mapped to one or more DS0s of a T1 or T3 circuit, providing high performance connections to remote locations. For switched access applications, ATLAS can be configured to route calls between the Quad Nx 56/64 module and ISDN (Basic Rate or Primary Rate) circuits.

As with all ATLAS components, configuration can be accomplished through a variety of mechanisms, including Telnet or VT100 Emulation. SNMP management is supported for alarm and event reporting.

The Quad Nx 56/64 module supports an 8,000 bps in-band management channel to communicate with remote ADTRAN TSU devices. This channel can be configured to be available full-time or to be active only when there is management information to communicate between devices.

The Quad Nx 56/64 module includes an extensive array of diagnostic tools, to assist in identifying and correcting network problems. Included is a built-in Self-Test utility, as well as standards-based 511 test pattern generators and detectors for each of the four ports. Key interface signals from each of the four ports are monitored and displayed, providing real time status of network activity.



ATLAS 800  
ATLAS 800 PLUS





**ADTRAN, Inc.**

Attn: Enterprise Networks  
901 Explorer Boulevard  
Huntsville, AL 35806

P.O. Box 140000  
Huntsville, AL 35814-4000

256 963-8000 voice  
256 963-8699 fax  
256 963-8200 fax back

**General Information**  
800 9ADTRAN  
info@adtran.com  
www.adtran.com

**Pre-Sales  
Technical Support**  
800 615-1176 toll-free  
application.engineer@adtran.com  
www.adtran.com/support

**Where to Buy**  
877 280-8416 toll-free  
channel.sales@adtran.com  
www.adtran.com/where2buy

**Post-Sales  
Technical Support**  
888 423-8726  
support@adtran.com  
www.adtran.com/support

**ACES Installation &  
Maintenance Service**  
888 874-ACES  
aces@adtran.com  
www.adtran.com/support

**International Inquiries**  
256 963 8000 voice  
256 963-6300 fax  
international@adtran.com  
www.adtran.com/international

**For the regional office  
nearest you, visit:**  
www.adtran.com/where2buy



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# Quad NX 56/64

## ATLAS Module

## Product Specifications

### Physical Interface

- V.35 standard Winchester Female Connector (via supplied adapter cables)

### Operating Mode

- Synchronous, V.35

### Data Rates

- Any multiple of 56k or 64 kbps up to 2.048 mbps

### Clock Options

- Internal, External, Internal Invert

### Alarms

- Clock Slip
- No External Clock
- PLL Failed To Lock

### Diagnostics

- Self-Test
- 511 Test Pattern Generator and Detector

### Signal Monitoring

- RTS, CTS, DTR, DSR, DCD, RI, TD, RD

### Agency Approvals

- FCC part 15, Class A, UL, and Canadian UL (CUL)

### Environment

- **Operating:** 0 to 45°C (32 to 113°F)
- **Storage:** -20 to 70°C (-4 to 158°F)
- **Relative Humidity:** Up to 95%, non-condensing

### Power

- 8 watts

### Product Includes

- Two DB-37 to V.35 Adapter Cables, each servicing two V.35 Winchester Connectors
- User Manual

## Ordering Information

Equipment	Part #
Quad Nx 56/64 Module	1200184L1



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