T3

ATLAS 800 Series Module

Product Features

- Channelized T3 network interface

- Optional second T3 interface for drop and insert applications

- Cross-connect, drop and insert to the DS0 level (3/1/0 DACS)

- Extensive performance monitoring of the DS3 or individual DS1 circuits

- Software configurable line build-out

- SNMP alarm support

- Noninterruptive maintenance data link

- Hot swappable

- Occupies a single slot in the ATLAS 800 Series chassis

- Industry-leading five-year North American warranty

The ADTRAN® T3 module combines with other ATLAS™ components to implement a T3 Bandwidth Manager, sometimes referred to as a "3/1/0 DACS." As a T3 Bandwidth Manager, ATLAS combines the functions of a T3 CSU/DSU, an intelligent channel bank, an M13 Multiplexer, and a DS0-level DACS into a single platform.

Addressing the wide-area requirements of an industry or business sometimes calls for a large number of T1 circuits to enter a single location. Network access via a T3 circuit, which carries the equivalent of 28 T1 circuits, is often an economical alternative to T1 circuits when requirements exceed as few as eight T1 circuits.

ATLAS with T3 support can groom bandwidth presented over the T3 circuit down to the DS0 level. ATLAS supports a wide range of applications including "drop-and-insert," channel grooming, and wide-area voice/data/video transport. ATLAS is ideal for point-to-multipoint configurations or for access to public networks. The T3 module supports drop-and-insert, allowing some of the T3 traffic to terminate in one chassis and other traffic to pass to a second ATLAS system or other channelized T3 product, such as a router.

For applications requiring switched PRIs to be delivered over T3, the T3 module must be installed in an ATLAS 800^{PLUS}/810^{PLUS}. An HDLC module is also required for this application.

The T3 module occupies a single option slot and can be installed in any ATLAS 800 Series.

With the T3 module installed, ATLAS offers extensive monitoring of T3-related parameters and error events. In addition, ATLAS maintains an accumulated count of a number of performance parameters in fifteen-minute intervals. The module can be configured for either M13 or C-bit parity framing. When operating in C-bit parity mode, ATLAS supports a 28.2 kbps in-band maintenance data link.

The T3 module supports network-initiated line loopback at the DS1 and DS3 levels.

ADTRAN®

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Product Specifications

Physical Interface
- BNC

Line Rate
- 44.736 Mbps ± 20 ppm

DS3 Framing
- Meets ANSI T1.404
- M13 or C-bit parity

Transmit LBO
- 0-100 feet, 101-450 feet

Impedance
- 75 Ohms unbalanced, resistive

Pulse Shape
- Meets ANSI T1.102-1993

DS1 Framing
- D4 or ESF

System Timing
- Network T3/T1, Internal

Performance Monitoring
- Remote Alarm Indicator (RAI)
- Alarm Indication Signal (AIS)
- Out of Frame (OOF)
- Loss of Signal (LOS)
- Far End SEF/AIS

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
- 10 Watts

Product Includes
- User Manual
- **Two BNC-BNC cables (6-feet):** 1200223L1
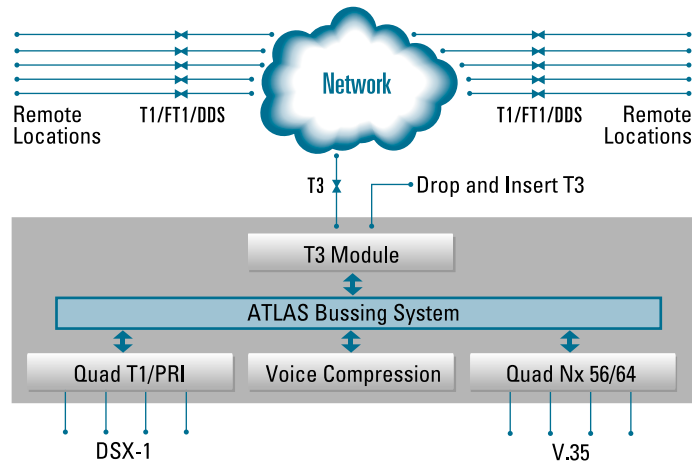- **Four BNC-BNC cables (6-feet):** 1200225L1

Ordering Information

Equipment	Part #
T3 Module	1200223L1
T3 D&I Module	1200225L1

ATLAS T3 Module

ATLAS T3 D&I Module