



Dual USSI

ATLAS 550 User Module

Product Features

- Two EIA-530, EIA-530A, RS-449, RS-232, X.21(V.11), or V.36 DTE ports
- Synchronous operation at Nx56/64 Kbps, up to 2.048 Mbps
- Extensive self-test support
- V.54 loopback
- Generates and detects 511 test pattern
- In-band communications channel for remote management
- DTR dialing support
- Occupies a single user slot in the ATLAS 550 chassis
- Hot swappable
- Standard five-year warranty

The Dual Universal Synchronous Serial Interface (USSI) module combines with other ATLAS™ components to provide solutions for a variety of wide area networking applications. Providing two synchronous EIA-530, EIA-530A, X.21, (V.11), V.36, RS-449 or RS-232 DTE ports, the Quad USSI module serves as the interface for high-speed routers and other DTE equipment to access the wide area network.

Each port of the Dual USSI module can be configured through software to operate at any multiple of 56 or 64 Kbps, up to 2.048 Mbps.

Using the ATLAS 550 Channel Mapping Utility, a port can be mapped to one or more DS0s of a T1, providing high performance connections to remote locations.

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 Dual USSI module supports an 8,000 Bps in-band management channel to communicate with remote ADTRAN® TSU™ products. This channel is available full-time for sending management information between devices.

The Dual USSI 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 standard-based 511 test pattern generators and detectors for each of the four ports. Key interface signals from each of the two ports are monitored and displayed, providing real time status of network activity.



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TL 9000

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Product Specifications

Physical Interface

- EIA-530, EIA 530A, EIA-449, X.21, V.11, V.36, or EIA-232

Operating Mode

- Synchronous

Data Rates

- Any multiple of 56 or 64 Kbps up to 2.048 Mbps

Clock Options

- Internal, External, Internal Invert

Alarms

- Clock slip
- No external clock
- PLL failed to lock
- Excessive zeros

Diagnostics

- Self test
- 511 test pattern generator and detector

Signal Monitoring

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

Agency Approvals

- CSA/UL 950/1950 3rd Edition, FCC Part 15, Class A, NOM, CE Mark

Environment

Operating Temperature

- 0° to 50°C, (32° to 122°F)

Storage Temperature

- -20° to 70°C (-4° to 158°F)

Relative Humidity

- Up to 95%, non-condensing

Power

- 7 Watts

Product Includes

- One DB-78 adapter cable to provide the two DTE physical interfaces
- Quick Start Guide

Ordering Information

Equipment	Part #
USSI - 449/V.36	4200754L1
USSI - EIA-530A	4200754L2
USSI - X.21/V.11	4200754L3
USSI - EIA-232	4200754L4



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