Quad USSI

ATLAS 800 Series Module

Product Features

- Four EIA-530, EIA-530A, RS-449, RS-232, X.21(V.11), V.36 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 800 series chassis
- Hot swappable
- Standard 5-year warranty

The Quad Universal Synchronous Serial Interface (USSI) module combines with other ATLAS components to provide solutions for a variety of wide area networking applications. Providing four 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 Quad 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 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 USSI 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 VT 100 emulation. SNMP management is supported for alarm and event reporting.

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

The Quad 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 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.

ADTRAN

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Product Specifications

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

Operating Mode
- Synchronous, V.35

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

Environment
- **Operating Temperature:** 0° to 45°C, (32° to 113°F)
- **Storage Temperature:** –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 DTE ports and user manual

Ordering Information

Equipment	Part #
USSI - 449/V.36	4200261L1
USSI - EIA-530A	4200261L2
USSI - X.21/V.11	4200261L3
USSI - EIA-232	4200261L4