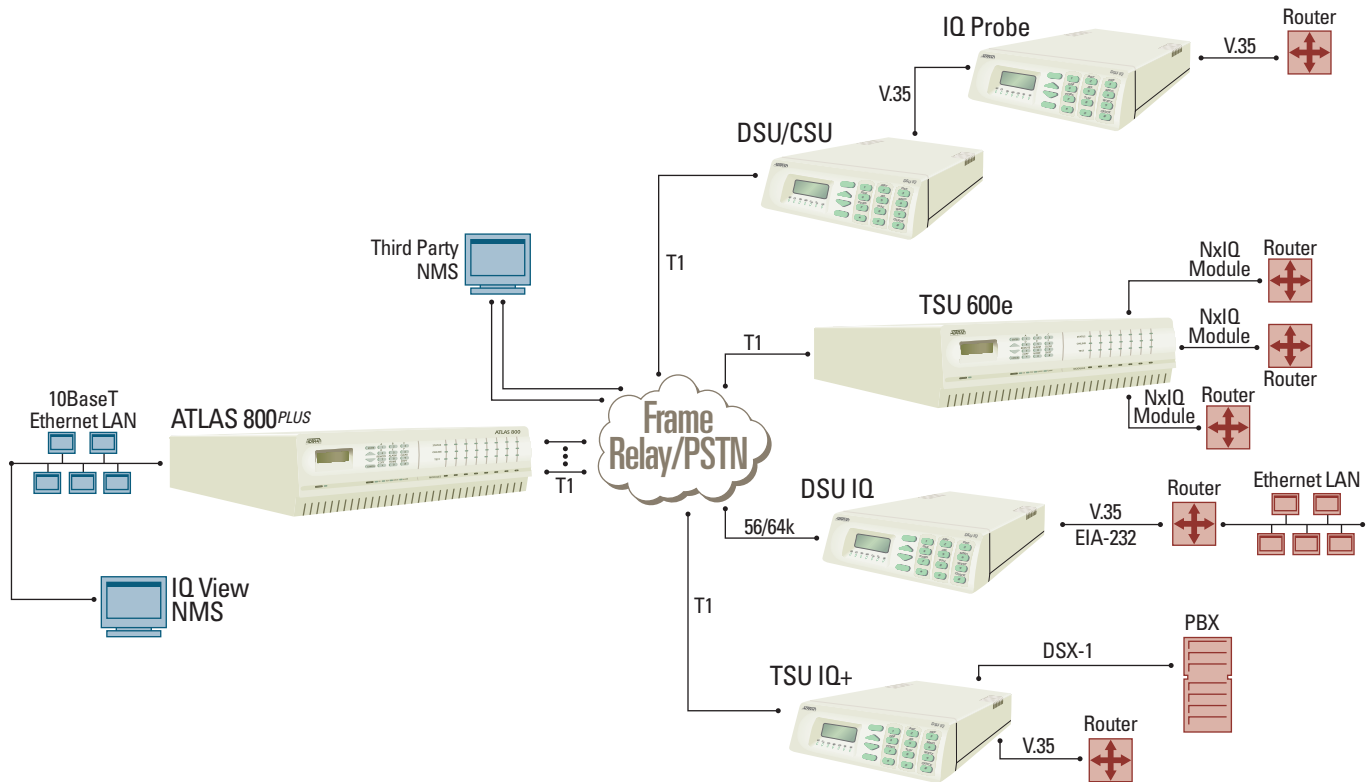


Performance Monitoring

Featuring
ATLAS 800^{PLUS} & The IQ Family



Frame Relay is often used as a low-cost alternative to point-to-point network connections. When users make the transition from leased lines to virtual Frame Relay circuits, they lose the end-to-end visibility they once had and gain a vast list of unknowns. ADTRAN IQ products help to fill the void. The IQ products offer a powerful set of tools that provide insight into the Frame Relay link by comparing information gathered from the IQ products to the user's Service Level Agreement (SLA) as well as troubleshooting the network.

As illustrated in the Diagram, ADTRAN has a broad suite of products in the IQ family for multiple applications. There are devices for 56/64k circuits (DSU IQ), T1/FT1 circuits (TSU IQ), voice and data (TSU IQ+), sites with existing DSU/CSU (IQ Probe), modules for ADTRAN's T1 MUX family (NxIQ module), and a host site unit that supports up to 6Megabytes of Frame Relay traffic (ATLAS 800^{PLUS}).

The statistics are stored in the IQ units in customer-selected time intervals of 5, 10, 15, 20, or 30-minute that provide up to 7 days of information directly in the unit. Information can be gathered into a database, such as ADTRAN's IQ View or any SNMP trend package, for further network history and analysis. The statistics are gathered from the units via a 10BaseT interface directly to the local LAN or in-band across the Frame Relay network. The in-band options include using the existing shared data PVC to pass information or dedicated PVC used just for management purposes.

Once the statistics are gathered by the database, they can be used to measure the performance of the network as well as provide information that allows a customer to verify compliance on SLA.

SOLUTION FEATURES

- Large suite of products for Frame Relay performance monitoring
- Layer 2 and 3 statistics available for Frame Relay
- Cost-effective approach
- Multinational solutions
- Full integrated solution

