

Qwest Private Line Synchronous Service Transport

High-capacity transport for your evolving business needs

Are your voice, data, video and Ethernet transport needs outgrowing existing DS-1 or DS-3 capacities? Qwest® Synchronous Service Transport (SST) is a two-point, broadband, shared Private Line solution that provides a reliable high-capacity connection for the transfer of large volumes of traffic. SST offers growth opportunities for your business through:

- Economies of scale—The greater the capacity, the lower the per-megabit cost.
- Scalability—Additional channels (ports) can be relatively inexpensive.
- Interoperability— Synchronous optical network technology (SONET) works with older and newer services alike.

Description

SST is a point-to-point private line that is provisioned on single-mode, fiber-optic cable and employs only the highest-quality, carrier-class equipment. SST uses SONET for transmission at speeds of OC-3 at 155.52 Mbps, OC-12 at 622.08 Mbps, OC-24 at 1.2 Gbps, OC-48 at 2.49 Gbps and OC-192 at 9.95 Gbps.

Features

- Uses SONET technology, which offers high reliability and survivability.
- Superior quality of service:
 - Throughput equals the purchased bandwidth (no congestion).
 - Visibility to data channels.
 - Advanced monitoring/alarms and performance characteristics.
 - Service level agreements for service availability, mean time to repair (MTTR) and customer notification.
 - Optional Self-Healing Alternate Route Protection (SHARP) availability allows separation of working and protect fiber.
 - Electronic redundancy maximizes service availability and survivability.
- Interoperability with most data format system types:
 - Interoperability across equipment vendors.
 - Primary rate interface (PRI) and digital data services (DDS) data and voice trunks.
 - Frame relay service (FRS) and asynchronous transfer mode (ATM) packet services.
 - Newer dense wavelength division multiplexing (DWDM) technologies.
- Channelized and concatenated service availability.
- 24/7 Qwest monitoring.

Benefits

- Efficient—Consolidates lower-speed services.
- Scalable—Grows with your business to meet your future needs.
- Cost-effective—Eliminates valuable network downtime.
- Flexible—Compatible with PRI and DDS data and voice trunks, FRS and ATM packet services and DWDM technologies.
- Robust—Provides enhanced network survivability via optional SHARP capabilities.
- Service and support—24/7 network monitoring and repair availability.

How it works

SST is a point-to-point service that connects two customer or wire center locations. You can also tie together more locations by cross-connecting SST systems or connecting with other services. Should your network sustain a fiber cut, SST's four-fiber configuration makes it possible for the network to remain functional. The service allows multiple circuit types, such as DS-1, DS-3, STS-1, OC-3, OC-3c (concatenated), OC-12, OC-12c, OC-48, OC-48c, 10 Mb Ethernet, 100 Mb Ethernet and 1 Gigabit Ethernet, to ride the SST separately or in combination, meeting your unique volume-transport needs. SONET technology ensures your network has the highest level of survivability available today.

Why buy from Qwest?

- Qwest SST harnesses the power of fiber optics, plus more than 100 years of experience delivering telecommunications, in one solution with unparalleled performance.
- Qwest has the most dense fiber footprint in the 14-state local service territory.
- Qwest adheres to the most stringent carrier-grade implementation, testing and configuration standards.

Other products available from Qwest

In addition to Qwest Synchronous Service Transport, Qwest has an array of products to meet your needs, including:

- Qwest® GeoMax®
- Qwest® Self-Healing Network Services (SHNS)
- Qwest® Private Line DS-1 Service
- Qwest® Private Line DS-3 Service
- Qwest® Metro Optical Ethernet (QMEOE)