

QWEST PRIVATE LINE SOLUTIONS

DIGITAL DATA SERVICE

Always-on, dedicated circuits with maximum-security protection for your evolving communications network.

Qwest® Digital Data Service (DDS) provides a dedicated circuit—always on and always available. It is widely available and provides maximum security. DDS accommodates growth and flexibility of the communications network, while potentially reducing overall expenses and controlling costs.

DESCRIPTION

Qwest DDS is a core Private Line solution with the capability of transmitting digital data over a dedicated point-to-point or multi-point circuit. DDS is available on an intrastate and interstate basis throughout the Qwest 14-state local service territory (AZ, CO, IA, ID, MN, MT, NE, NM, ND, SD, UT, WA and WY). The available data rates are 2.4, 4.8, 9.6, 19.2, 56.0 and 64.0 Kilobits per second (Kbps). 64.0Kbps is available as a two-point circuit only.

FEATURES

- Digital transmission—DDS uses only digital facilities to provide comprehensive digital transmission. This eliminates the need for expensive analog modems. Customer-provided channel service unit (CSU)/data service unit (DSU) is required.
- Regeneration of transmission—The signal is regenerated, not amplified, avoiding noise and distortion inherent to analog circuits.
- Built-in timing system—With digital transmission, various signals are generated at precise intervals. It is critical that data be read out at the receiving end of a circuit at the same average rate that it is written at the transmitting end. If not, information can be lost or data sequences may become garbled.
- Low error rate—Designed to provide average performance exceeding 99.8 percent error-free seconds (EFS).
- DDS can connect with other Qwest digital services, including DS-1, DS-3, frame relay, packet-switching networks, simultaneous voice and data service (SVDS), synchronous optical network (SONET), self-healing alternate route protection (SHARP) and self-healing network service (SHNS). DDS can interface with a packet-switching network, potentially reducing costs.
- Variable pricing discount plans are offered.
- Constant bandwidth capacity up and downstream.
- Installation service guarantee.

OPTIONAL FEATURES

- Secondary Channel, available at 2.4 through 56Kbps data speeds, provides an independent lower-data-rate channel used to control or monitor your network.
- Subrated DS-0 Service provides DS-0-to-Subrate, also called DS-0A-to-DS-0B, multiplexing and transport of the subrate muxed channel.
- Transfer arrangement enables you to transfer a leg of your Qwest DDS circuit to another channel that terminates either at the same premise or in a different one. Limited to interstate service.

- Command-A-Link™ gives you network control of your DDS circuit(s) on a near real-time basis. Reconfiguration is done using intelligent network elements, such as Digital Cross-Connect Systems.
- Direct digital access line (DDAL) provides a 56Kbps access channel with the added capability of carrying signaling for a public switched digital services circuit. The line may also be used with a private switched digital network.

BENEFITS

- Supports key business applications by transporting digital data reliably and securely over a dedicated point-to-point or multi-point circuit.
- Choice of data speeds ranging from 2.4 to 64Kbps.
- Versatile application.
- Competitive pricing.
- Upgrades easily as your transport needs grow.
- Optional features make your network even more flexible, functional and feature-rich.
- Always on—24/7 availability.

HOW IT WORKS

DDS provides full duplex, four-wire transmission of synchronous serial data between two end users or between an end user and another carrier. Qwest provides timing for this service through facilities to the end user on the received bit stream. DDS is only available between locations that can be connected through compatible digital facilities.

WHY BUY FROM QWEST?

Businesses today require the reliability and privacy of digital transport services for their specific needs. Qwest has extensive experience in providing the dependable services customers need to make their ventures succeed.

- Many businesses use Private Line services as their choice of transport for critical applications.
- Qwest is an experienced communications provider that has been in business for several decades.
- Qwest offers an extensive product portfolio that includes cutting-edge products and services, giving customers a single vendor capable of providing new technologies as their businesses expand.
- Know-how and experience—Qwest sales account teams, technicians and engineers are highly experienced to help develop solutions that meet customers' specific needs for voice and data communications.
- Qwest DDS is competitively priced.
- Highly reliable network—99.65 percent availability objective.
- If Qwest fails to meet the installation date (providing it is equal to or greater than the standard interval for DDS and the service is provided entirely within Qwest territory), you will be given a credit of 100 percent of the total installation charge.
- Scalable to meet your needs, with a wide variety of bandwidth offerings.
- Discounts are available on long-term purchases (one-year, three-year, etc.).
- Network monitoring and management assists in achieving high performance levels.

OTHER PRODUCTS AVAILABLE FROM QWEST

In addition to Qwest Private Line Digital Data Service, Qwest has an array of Private Line products to meet your needs including:

- Qwest® Private Line Analog Services.
- Qwest® Private Line DS-1 Service.
- Qwest® Private Line DS-3 Service.
- Qwest® Metro Optical Ethernet (QMOE®) services.
- Dense wavelength division multiplexing (DWDM).
- SONET

Qwest Corporation Private Line Digital Data Service (DDS) is available on an intraLATA basis only in the Qwest® local service territory of AZ, CO, IA, ID, MN, MT, NE, NM, ND, OR, SD, UT, WA and WY. Required CPE may be obtained from Qwest -or a third party at an additional charge.