

QWEST SINGLE LINE SERVICE

FASTER DATA CONNECTIVITY WITH EXISTING TELEPHONE LINES

Integrated services digital network (ISDN) offers the power to create a seamless communications system that speeds and smoothes the flow of information without the expense of dedicated lines, modems and special cabling. Qwest® ISDN Single Line Service (SLS) uses advanced digital technology to move voice and data at significantly higher speeds than standard telephone lines. Unlike standard telephone lines, SLS allows multiple communications to travel simultaneously on a single line. The speed of your communications is dramatically increased, up to 128Kbps, making it faster and easier for you to do business. Key applications include:

- Satellite office communications
- High-speed communications
- Video-based collaboration
- High-speed access to online services
- High-speed transaction verification
- Low-volume, general-data communications
- Telecommuting
- Video conferencing
- Standby inter-networking
- Disaster recovery
- Remote data monitoring/telemetry/security
- Point-of-sale services
- Distance learning

DESCRIPTION

SLS is a platform-based, switched digital service offering fast, flexible, highly reliable and digitally clear connections with the simplicity of dialing a telephone. The service converts existing copper wires to two primary, high-speed (64Kbps) communication channels (B channels) that can be used, simultaneously or independently, to carry any combination of data, voice or video. Users can achieve a data transfer rate of up to 128 Kbps or faster by combining lines. SLS also provides a third channel, known as a D channel, for low-speed, packet-switched, data communications ideal for point-of-sale, remote monitoring or telemetry applications. The standard package includes a comprehensive 2B + D line and numerous voice and data features.

FEATURES

- Includes circuit-switched voice, data and packet functionality.
- The functionality of two business lines, multiple telephone numbers and 20 voice features. Built-in data features are available at no extra charge. Two feature sets, voice and data, include the following:
- Voice features:
 - Call exclusion—restricts other users (that share a directory number) from bridging on to an active call or retrieving a held call.
 - Call forwarding (busy line, don't answer and programmable).
 - Call hold.
 - Call transfer.
 - Caller identification.
 - Caller ID blocking.
 - Conference calling.
 - Intercom—establishes a dedicated priority call to any other station that is a member of the same intercom group within the same central office.
 - Message waiting indication.
- Data features:
 - Call forwarding for circuit-switched data (busy line, don't answer and programmable).
 - B-channel circuit-switched data—Call forwarding (busy line, don't answer and programmable) features.
 - D-channel packet-switched data—Various (X.25) features (e.g., fast select, flow control parameter negotiation, logical channels, reverse charging and throughput class negotiation).

BENEFITS

- Data speed—SLS delivers data twice as fast as a 56 Kbps modem. With high-speed compression, ISDN can transmit data at throughputs up to 230 Kbps. You can achieve even greater speeds with a 10-BaseT Ethernet card and an ISDN router.
- Efficiency—Perform more than one communication task at a time. With two communication channels, each offering up to 64 Kbps, you can connect to the Internet using both channels, for a combined data speed of up to 128 Kbps. When receiving an incoming call or fax, the second channel will accept the call while the first channel remains connected to the Internet. When the call/fax on the second channel is completed, the connection to the Internet automatically resumes its original speed of up to 128Kbps. As many as eight devices can share a single ISDN line.
- Versatility—With compatible equipment and SLS, ISDN can handle several types of information. The two versatile ISDN channels can replace multiple voice, fax and modem lines necessary to support data, voice, video and audio applications. Each device can be assigned its own telephone number, so incoming calls are routed directly to the appropriate device.
- Signal quality—SLS digital transport supports near-broadcast-quality video and CD-quality audio.
- Flexibility—No special handling is required when voice calls are made between ISDN-ready phones and conventional analog telephones. ISDN is provided over the public switched network, providing flexible service on a dial-up basis. ISDN is an excellent alternative to costly dedicated lines or multiple dial-up lines for voice, data, fax and Internet access.

HOW IT WORKS

ISDN is a digital network architecture providing both a voice connection and a high- or low-speed data connection simultaneously over existing telephone lines (i.e., twisted pair). SLS has a transmission rate of 144 Kbps divided into three channels. There are two B channels capable of 64 Kbps each and one D channel capable of 16 Kbps. Since the D channel is used for signaling, the B channels have a higher transmission rate than is currently available on a regular voice channel. Each B channel is capable of circuit-switched voice, circuit-switched data, or packet-switched data (individual case basis only). The D channel is capable of Q.931 or X.25 protocol signaling or X.25 packet-switched data.

WHY BUY FROM QWEST?

- Qwest SLS is widely available. The dial-up capability allows ease of connectivity with dispersed customers, suppliers and business locations.
- The Spirit of Service[®] ensures exceptional service and support from a communications partner that works with you to develop the right solutions for your business.
- Qwest is a proven communications provider with years of experience.

OTHER PRODUCTS AVAILABLE FROM QWEST

In addition to Qwest[®] ISDN Single Line Service, Qwest has an array of products to meet your needs, including:

- Long Distance
- Qwest.net[™]
- Qwest Private Line

Qwest Corporation ISDN SLS is only available in the Qwest local service territory of AZ, CO, IA, ID, MN, MT, ND, NE, NM, OR, SD, UT, WA, and WY. Most Qwest central offices are equipped to provide ISDN. Availability also depends on the customer's distance from the central office and other technical line qualifications. Line installation fee applies. In other areas, ISDN service can be backhauled from a host-equipped switch at an additional charge. ISDN CPE and Internet access provider costs additional, if necessary. SLS can be purchased on a month-to-month or contractual basis. Some restrictions may apply.