

ISDN Fact Sheet

Voice, data and video—your high-speed connections start here

Integrated Services Digital Network (ISDN) is a high-quality, switched digital communications service that gives your standard phone lines the ability to transmit voice, data, and packet data simultaneously at very high speeds. ISDN services are an ideal solution for growing and large businesses that need a cost-effective solution for clear voice and high-quality data traffic.

Details

There are two types of ISDN service: Basic Rate Interface (BRI), perfect for small-scale businesses; and Primary Rate Interface (PRI), ideal for larger businesses.

Both BRI and PRI use channels called “B”, or Bearer channels, and a “D”, or Delta channel. The B channels provide a transmission path for user information, such as voice and data, while the D Channel carries signaling information, such as call setup and packet data.

ISDN PRI

ISDN PRI service is used primarily by large organizations with intensive communications needs. An ISDN PRI connection supports 23 individual 64 kbps B-channels and one 64 kbps D-channel over a high-speed circuit. ISDN PRI is ideal for offices using a PBX solution, phone system or customer premises equipment, large call centers, room-sized video conferencing or backing up dedicated private lines.

The advantage of primary rate interface or PRI is that the 23 channels can be used in various combinations for specific communications needs.

ISDN BRI

ISDN BRI is a high-quality, switched digital communications service that gives your standard phone line the ability to transmit voice, data, and packet data simultaneously at a relatively low-cost. Supports two individual 64 kbps B-channels, plus one 16 kbps D-channel.

Ideal solution for:

- High-capacity connection that can be used for multiple services, multiple devices and multiple destinations, reducing the need for additional circuits.
- Greater bandwidth applications such as high-speed file transfer, videoconferencing, telecommuting/remote access.
- Maximize efficiency and reduce extra costs by combining inbound and outbound calling on a single circuit.
- Better performance with faster connections and 100% digital connectivity.
- Increased capabilities, reduced costs and improved productivity.

Benefits for Your Business:

- **Affordable.** Windstream’s competitive pricing makes this technology affordable.
- **Integrated digital access.** One connection can be used for multiple services, multiple devices, and multiple destinations.
- **End-to-end digital connections.** ISDN gives you digital speed from start to finish.
- **Quality.** Digital transmission provides exceptionally clear voice communications and virtually error-free video, image and data transmission.