

Reliance Jio SIP Trunk Service

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**SIP TRUNK
SOLUTION**



A **SIP Trunk Solution** is a communication technology that enables businesses to use VoIP (Voice over Internet Protocol) to connect their on-premises phone system, such as a PBX (**Private Branch Exchange**), to the Public Switched Telephone Network (PSTN) through the internet. SIP stands for **Session Initiation Protocol**, which is the standard protocol for initiating, maintaining, and terminating real-time multimedia communications like voice and video calls.

Features:

- **VoIP Call Capabilities:** High-quality voice calls over the internet.
- **Scalability:** Businesses can add or remove channels (concurrent call paths) easily.
- **Unified Communications:** Supports voice, video, instant messaging, and collaboration tools.
- **Global Connectivity:** Allows calls to and from any location worldwide using a single system.
- **Failover and Redundancy:** Automatic rerouting of calls during service interruptions.

Key Components of a SIP Trunk Solution

1.IP-PBX (Private Branch Exchange):

- 1.A software or hardware system that manages call routing and handles unified communications within the business.

2.SIP Trunk Provider:

- 1.A service provider offering SIP Trunking services to connect the enterprise to the PSTN.

3.Internet Connection:

- 1.A robust, high-bandwidth internet connection to handle voice and video traffic.

4.SBC (Session Border Controller) (optional):

- 1.Provides security, session management, and interoperability between the business network and the SIP provider.

5.Endpoints:

- 1.Devices like IP phones, softphones, or analog phones (with ATA adapters) used by employees for communication.



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