



# SIP vs. ISDN



## What's a SIP trunk?

A SIP trunk is a VoIP service that connects your phone system (PBX) to the PSTN (telephone network) using the Internet.

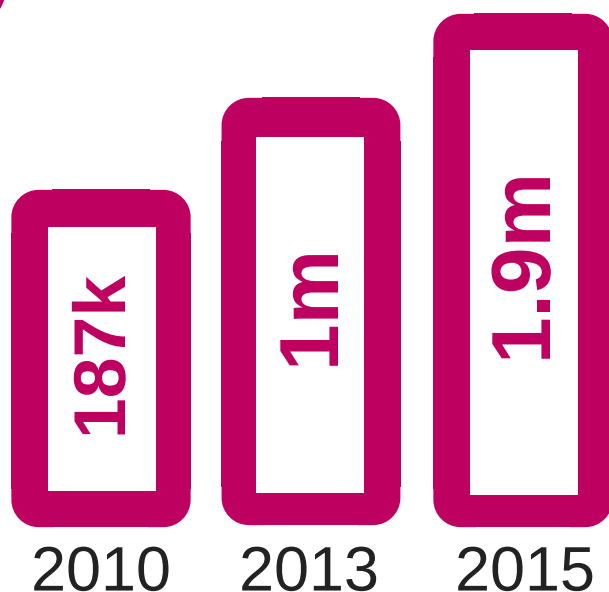
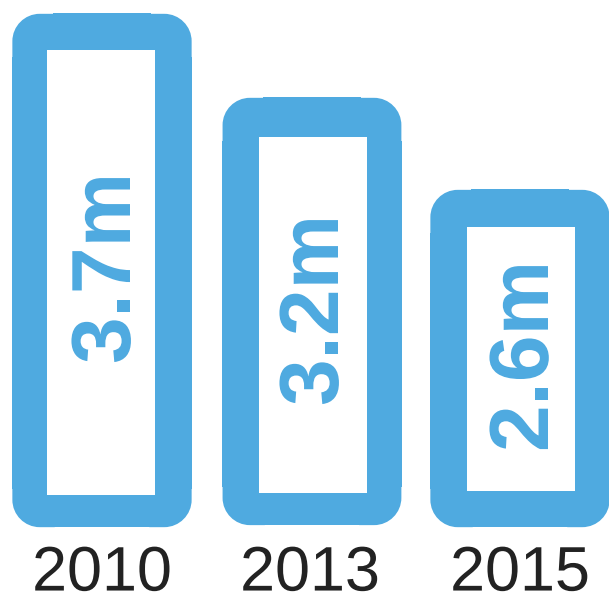
## What's an ISDN line?

Integrated Services Digital Network (ISDN) describes a set of standards that support voice and data transmission over the traditional copper line network.

### The fall of ISDN

VS

### The rise of SIP



Source: Cavellgroup & Statista (UK)



have defined **2025** as the target date to close down the **ISDN network** and transfer all user onto the **IP network**

ISDN Provider



10 users  
 ISDN 30 (10 channels)  
 20 DDI's  
 12 month contract

£3124.50

VS

10 users  
 10 SIP trunks  
 20 DDI's  
 12 month contract

£1200.00

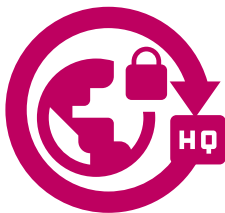


## Which one is more cost-effective?

SIP does not require any installation and maintenance costs but also offers cheaper line rental, call charges and FREE internal calls

## Which one is more scalable?

ISDN is limited to up to 30 channels per line whilst SIP allows you to have as many trunks as your bandwidth can support



## Which one is more reliable?

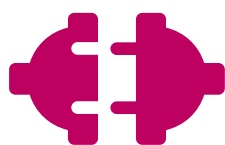
SIP offers a total Business Continuity & Disaster Recovery solution as part of the service whilst ISDN requires an extra redundant circuit

## Which one is more flexible?

ISDN offers geographically-dependent numbers and limited amount of DDI's. SIP offers as many numbers as you want with no restrictions



## Which one is more adaptable?



SIP is compatible with most PBX, only take 48hrs to be up and running whilst ISDN takes 6 weeks to install and requires expensive hardware

## Which one is more capable?

SIP being a newer technology offers more features than ISDN such as Remote working, Call Recording, Statistics, Reporting and Unified Comms solutions to further streamline business communications



Learn more

Thinking about moving to IP with SIP trunks?

Contact Shape Networks on 0207 015 2100 or [info@shapenetworks.com](mailto:info@shapenetworks.com) to request a FREE demo