

ISDN2e

Integrated Services Digital Network (ISDN) is the digital successor to the analogue phone network. It allows the digital transmission of voice over ordinary copper telephone wires resulting in better voice quality. An ISDN2e circuit provides 2 lines or 'channels' as they are referred to in the digital world. You can think of a channel as the digital equivalent of an analogue line.

ISDN2e circuits used to be used for data as well as voice transmission but with the advent of broadband, ISDN2e is practically redundant as a data circuit.

Other names

Basic Rate ISDN (BRI)

Uses

Multiline voice communications
Group 4 fax
Resilience (backup for primary circuits)
Video conferencing

Numbering

Each ISDN2e circuit has a primary or 'bearer' number but multiple numbers can be added in the shape of DDI (Direct Dial Inwards) numbers.

Fabric

Copper

Advantages

Improved quality over analogue lines
Can accommodate the communication requirements of a medium sized business
DDI Numbers

Disadvantages

Fixed termination point

Variants

Standard Access:

Cannot expand beyond 2 channels and DDI numbers cannot be added.

System Access:

ISDN2e System is designed for connecting to telephone systems. It has a minimum of 2 channels and can have additional channels added (in multiples of 2) up to a maximum of 60 channels. DDI numbers can be added to the circuit. A maximum of 5 DDI ranges can be added.

Service level (fix)

Service Maintenance Level 2 (included as standard)
End of Next Working Day (Mon to Sat)

Lead times

New Provision or Transfer: Approx. 7-10 working days (subject to variation)