

ISDN30e

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 ISDN30 circuit starts with 8 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.

Other names	Primary Rate ISDN (PRI)
Uses	Multiline voice communications (minimum of 8, maximum of 30 lines)
Numbering	Each ISDN30e circuit has a primary or 'bearer' number but multiple numbers can be added in the shape of DDI (Direct Dial Inwards) numbers
Fabric	Copper or fibre
Advantages	Scalable Well established technology - very resilient
Disadvantages	Installation lead times Fixed termination point
Variants	<p>ISDN30 DASS: DASS stands for Digital Access Signalling System. It is an old variant of ISDN30e and is very rarely sold today.</p> <p>ISDN30e ETSI: The European Standard for ISDN30. ETSI stands for European Telecommunications Standards Institute. ISDN30e has a minimum of 8 channels and a maximum of 30. Single channels can be purchased to increase the number of lines required. DDI numbers can be added to the circuit. A maximum of 5 DDI ranges can be added.</p>
Service level (fix)	<p>Basic: Service Maintenance Level 1 End of Next Working Day + 1 (Mon to Fri)</p> <p>Premium: Service Maintenance Level 2 End of Next Working Day (Mon to Sat)</p>
Lead times	New Provision or Transfer: Approx. 20 working days (subject to variation)