

# Details about Ordering ISDN Service

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If your telephone company asks for specific information about the type of ISDN service you want, find out from them which ISDN switch type they support.

In North America, common switches are the 5ESS custom, DMS-100, and the NI-1. Information about the capabilities to order for these switches is given below.

In Europe, common switches are basic-net3, 1TR6, and VN3. Normally, you should be able to order ISDN service without needing to specify switch capabilities.

## 5ESS Custom Switch (AT&T)

For data service only, order the following capabilities:

- 2 B channels for data
- Point-to-point connection
- Terminal type E
- 1 directory number assigned by the telephone company
- MTERM = 1
- Request delivery of calling line ID on Centrex lines
- Set speed of calls to 56 kbps outside the local exchange

If you have a voice device (that is, an ISDN telephone) connected to the line, you can order voice and data service with the following capabilities:

- 2 B channels for voice or data
- Multipoint connection
- Terminal type D
- 2 directory numbers assigned by the telephone company
- 2 SPIDs assigned by the telephone company, in the format 01xxxxxx0, where the xxxxxx is replaced with the seven-digit telephone number (omitting the area code)
- MTERM = 2
- Number of call appearances = 1
- Ringing/idle call appearances = idle
- Autohold = no
- Onetouch = no

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- Request delivery of calling line ID on Centrex lines
  - Set speed of calls to 56 kbps outside the local exchange
  - (Optional) Directory number 1 can hunt to directory number 2 (this service is more expensive)

## DMS-100 Switch (Northern Telecom)

Order the following capabilities:

- 2 B channels for voice and data
- 2 directory numbers assigned by the telephone company
- 2 SPIDs assigned by the telephone company
- Functional signaling
- Dynamic TEI assignment
- Maximum number of keys = 64
- Release key or key number = no
- Ringing indicator = no
- EKTS = no
- PVC = 1, for all BCS loads up to BCS 34 (note that a PVC of 2 indicates an NI-1 switch)
- Request delivery of calling line ID on Centrex lines
- Set speed of calls to 56 kbps outside the local exchange
- (Optional) Directory number 1 hunt to directory number 2 (this service is more expensive)

## NI-1 Switch (supported by AT&T and Northern Telecom switches)

Order the following capabilities:

- 2 Bchannels for voice and data
- 2 directory numbers assigned by the telephone company
- 2 SPIDs assigned by the telephone company (format will vary)
- Terminal type = A
- Set speed of calls to 56 kbps outside the local exchange
- (Optional) Directory number 1 hunt to directory number 2 (this service is more expensive)

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[Return to Order ISDN Service](#)

[Return to ClickStart Home Page](#)