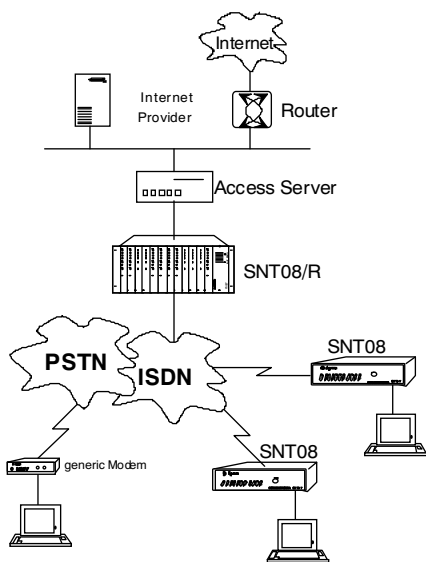


# SNT08

## Isdn digital & analog modem



SNT08 is the **modem for ISDN**. Developed and manufactured by digicom as the transition product from the PSTN switched line to the ISDN line. SNT 08 is a fax modem that develops into an ISDN adapter. One serial port and one line with **two devices** integrated in only **one equipment**. It is a very good product for **Internet Providers** in external, internal or rackmount models using **integrated PPP support** or **V120 protocol**. It is suggested for those people who with their PC want to use different telematic services which are not interconnected and sometimes proposed on PSTN and on new ISDN networks. For a complete range of choice the PC version SNT12 is available with the same design

Based on a powerful 32 bit RISC processor and on the DSP technology, SNT08 is a multistandard **64K Euro-Isdn** and **V34+ 33,6**bps synchronous and asynchronous modem/fax. In fax mode it is compatible with Gr.3 and with V17 standards to send and receive faxes at 14.400 bps. It supports the **MNP10EC** for **cellular networks** and also the **V42** and **V42bis protocols** recommended by ITU. Error correction and data compression up to 400%. When using it as a terminal adapter, the functioning is like a modem, therefore it is handled by **AT commands** and any PC software can be used.

In this condition it is also used in synchronous mode by a mainframe or minicomputer as IBM AS400 that through **V25bis in HDLC** can call and receive any call from the branch offices connected to the ISDN.

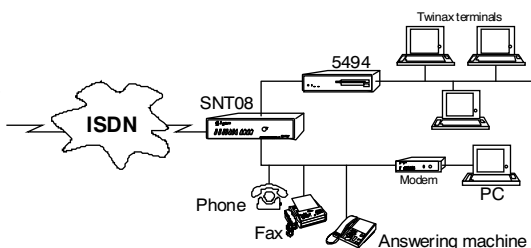
V25bis is supported also in asynchronous mode so that SNT08 can be used by minicomputers like VAX (Digital Equipment) or others that work in this mode.



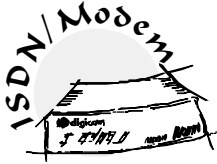
Moreover SNT08 desk top version is an **A/B terminal adapter** with a RJ11 port which allows an access to the national telephone network (PSTN). It is possible to develop different applications to increase investments which have been already carried out and to migrate to the ISDN network. For example you can use the serial port for data transmission and, at the same time, the RJ11 port to call, receive call on the answering machine, send or receive faxes and also to use the fax modem.

The **A/B terminal adapter** in SNT08 gives the possibility **to use** all the **analog devices** installed in a system up to maximum three devices.

**SNT08** is a made in Italy product which is projected and manufactured by digicom S.p.A., leading company on the market for twenty years with Quality Certification according to **ISO9001/EN29000** and **BABT**. The product is homologated, **CE** marked and it is in conformity with ITU-T recommendations warranting the **highest Quality Level**.



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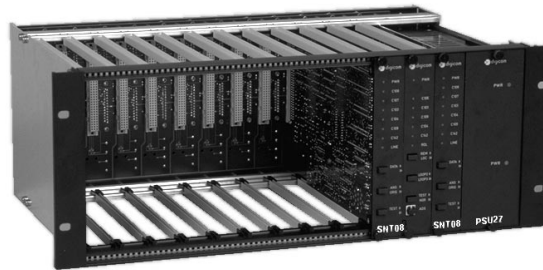


## TECHNICAL FEATURES

- EuroISDN compatible: NET 3 BRI 2B+D (B2 on modem or adapter A/B).
- PPP internal support
- Rate Adaption: V.110, V.120.
- Data compression: V.42 bis.
- Error correction: V.42.
- Data compressor MNP5 (V34).
- Error correction MNP4 and MNP10EC (V34).
- AT commands.
- V25bis in synchronous HDLC and asynchronous (ISDN TA).
- Autospeed up to 115.2Kbit/s.
- Synchronous operation up to 64 Kbit (ISDN TA) and up to 33600 on V34+ modem.
- Asynchronous operation up to 115.2 Kbit.
- ITU-T V34+, V34, V32bis, V22bis, V22, V23, V21, V17, V29, V27.
- Telephone book with 20 numbers to be used in AT mode and V25bis (ISDN TA).
- Safety function by caller identification (Caller ID support).
- Compatible with most popular communication programs.
- Same use as a compatible Hayes modem.
- ISDN multinumber service (MSN).
- ISDN subaddressed service (SUB).
- ISDN caller identity service (CLIP).
- Automatic call address towards a fax/modem, ISDN TA or A/B adapter.
- Line interface on RJ45 connector for S/T bus.
- Analog interface on RJ11 connector for 2 wires system with DTMF selection.
- Tone free, busy and call on analog interface.
- V24/V28 serial interface or V35 by special cable.
- Power supply 220V monophase 50 Hz.
- Consumption: 10W.
- Temperature range from -5 to 45C.
- Maximum operational humidity tax at 90%.
- External model dimensions: 190 x 147 x 45mm.
- Rackmount model dimensions: 4 unit in height and 19" in width per rack.
- External model weight: 150 gr.

SNT08 serial port allows synchronous and asynchronous communications with V24/V28 and V35 interface both modem and terminal adapter. Due to some particular performances like **V120 protocol and V42bis data compression** the 64 Kbit on ISDN become approx. **115,2 kbit/sec** (approx. 11.500 ASCII characters in one sec.). By using V110 protocol it is possible to communicate in asynchronous mode at a speed of 38400 bps. This is limitative if compared to the real ISDN potentiality which is used at 64 kbit and whose cost does not depend on speed.

SNT08 has an internal telephone book and it **handles the safety procedures** with caller identification by the Call ID functions that ISDN offers.



PRODUCT	CODE	DESCRIPTION
SNT08/T	8D5389	V34 MODEM/FAX and ISDN TA 2B+D (B2 on modem or adapter A/B) with RJ11 port for analogical connectivity, V110, V120, V42bis, MNP10, V25bis and AT compatible, Euro ISDN, homologated.
SNT08/R	8D5398	V34 MODEM/FAX and ISDN TA 2B+D (B2 on modem), V110, V120, V42bis, MNP10, V25bis and AT compatible, Eurp ISDN, rack version homologated.
RMC27	8D7069	Rack for 12 SNT08/T and 1 power supply.
RMC28	8D7070	Rack for 10 SNT08/R and 2 power supplies.
PSU27	8D6058	Power supply for RMC27 and RMC28 racks.
CR25	8D4186	Connection cable between SNT08 and NT1 or and end of S/T bus.
CD24/0,5	9D0491	Adaptation cable for V35 interface to be used with SNT08.
CM5	8D5401	Adapter for V35 interface without cable, to be used with SNT08.