

SNM46F, V34+ family

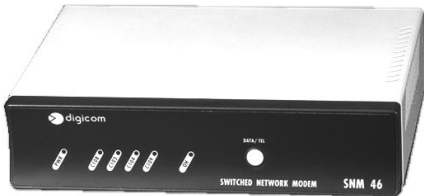


SNM46F is a **professional V34+ 33600/28800 modem/fax** in standalone version, usually called "external modem". It is projected and manufactured by digicom and its features are in conformity with the latest communication **standards**. The same product is also available in **rackmount version** with the name SNM46FR. The customer offering telematic services on switched network will be able to optimize the power connections and the modems management; the rackmount version, as well as the standalone one, can be managed by digicom's **Network Management** called **MSS01**.

The same design is proposed **also** in following **versions**: **SNM41FPC for ISA Bus** and **CCM44F for PCMCIA Bus**. Both products have the same characteristics of the standalone or rack version except for features in synchronous configuration which cannot be used in a personal computer.

Thanks to **Autosync** standard it is possible to communicate in SDLC or X32 synchronous emulation towards systems of IBM midrange or mainframe family with emulators **5250** or **3270 Autosync compatible**; this software is quite popular and also IBM offers a version for 3270 environment in Dos or Windows and for 3270 and 5250 environment in OS/2.

In order to offer a complete solution, digicom reached an agreement with MicroIntegration for the supply of Autosync compatible software in version 3270 for DOS and 5250 for DOS and/or Windows which can be used on PSTN with SDLC protocol or on PDN with X32 protocol.



SNM46F and all rackmount, PC or PCMCIA models operate at a speed of **33.600/28.800 bps** according to ITU-T V34+/V34 standard and as they are based on **multistandard** technology, they can connect to any modem down to the minimum speed of 300 bps (Pos applications...)

Thanks to **error correction** with **MNP4, MNP10EC and V42** protocols, automatically selected at the connection, communications are guaranteed against any noise and transmission is allowed also through **E-TACS cellular network** for users working with portable PC and cellular phones.

These modems have got a powerful **compressor** which is based on **MNP5 and V42bis** standards and allows to reach a speed of **115200 bit per second**; it is possible to send 115200 characters per second and this means that a file of 200 Kbyte can be transmitted in a maximum time of 70 seconds and a minimum time of about 20 seconds according to the number of errors, retransmissions and redundancy on the files.

The whole family of SNM46F modems has got the **fax** feature which allows to transmit and receive faxes in conformity with **group 3** recommendations (9600, 7200, 4800, 2400 bps) but also at the highest **fax speed 14.400 bps** (V17 recommendation). **Complete software for fax management, communication to data banks and file transfer management** is supplied free of charge and in **Italian language** with every digicom's product.

SNM46F and its PC and PCMCIA versions are made in Italy products, 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 products are homologated, CE marked and they are in conformity with ITU-T recommendations warranting the highest Quality level.

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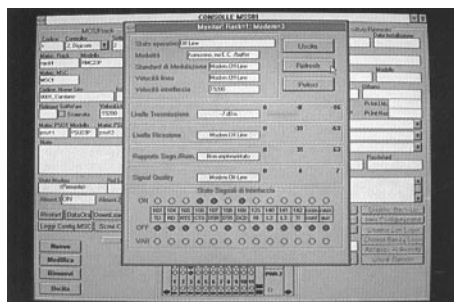
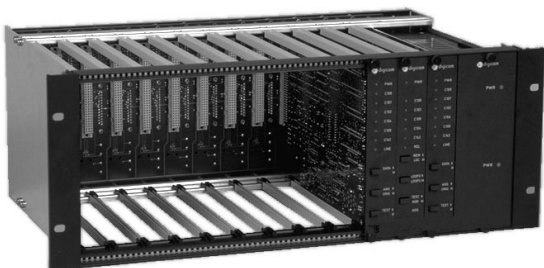


All digicom's products are manufactured using the latest technologies (**SMT/SMD**) and they guarantee the highest quality level in conformity with **ISO9001/EN29000** certifications and European **CE mark**.

They are equipped with **integrated power supply** and manufactured inside strong metal chassis which offer a very good electro-magnetic insulation. They are also supplied with cables to be used for connection to PSTN according to **PTT Homologation**.

TECHNICAL FEATURES

- PSTN V34+ multistandard modem at 33600, 31200, 28800, 26400, 24000, 21600, 19200, 16800, 14400, 12000, 9600, 7200, 4800, 2400, 1200, 1200/75, 300 bps according to following standards: V34+/V34, Vfast, V32bis, V32, V22bis, V22, V21, V23.
- Fax Group 3 class II at 9600, 7200, 4800, 2400 bps according to V29 and V27 standards.
- Fax Modem V17 at the speed of 14400 bps.
- Asynchronous working up to 115200 bps in autospeed.
- Synchronous working Point to Point slave from 1200 to 28800 bps (standalone and rack versions).
- Autosync working.
- AT compatible.
- Automatic call with pulse selection and DTMF.
- Internal phone book for 4 users.
- Errors correction according to MNP4, MNP10EC and V42 standards.
- Data compression according to MNP5 and V42bis standards.
- Management by digicom's Network Management MSS01 (standalone and rack versions through probe MSA01).
- Loop managements according to V54 recommendation.
- V24/V28 serial interface (standalone and rack versions)
- ISA bus interface (desktop pc version) UART 16550.
- PCMCIA II interface (lap top computer version).
- Transmission level adjustable from -1dBm to -15dBm.
- Reception level from 0 dBm to -43 dBm.
- Impedance 600 ohm balanced.
- Fax resolution fine (200x200 dpi) and normal (200x100 dpi).
- Power supply 220 Vca monophase 50Hz (standalone and rack versions).
- Power supply from the bus (PC and PCMCIA versions).
- Standalone model consumption: 10W
- ISA bus model consumption: 1,2 W
- PCMCIA bus model consumption: 1,2 W standard working, 50mW in sleep mode.
- Standalone model dimensions: 150 x 44 x 210 mm.
- Rackmount model dimensions: for 19" 4 units rack.
- ISA bus model dimensions: 1/2 slot.
- PCMCIA model dimensions: 54 x 85,6 x 5 mm (pcmcia 2.0).



PRODUCT	CODE	DESCRIPTION
SNM46F	8D1725	V34+ modem/fax, MNP10EC/V42 bis, Async-Sync Point to Point slave-Autosync - table
SNM46FR	8D1724	V34+ modem/fax, MNP10EC/V42bis, Async-Sync Point to Point slave Autosync - Rack
SNM41FPC	8D1740	V34+ modem/fax, MNP10EC/V42bis, Async-Autosync- ISA bus
CCM44F	8D1657	V34+ modem/fax, MNP10EC/V42bis, Async-Autosync - PCMCIA bus
DAAP1	8D5378	Adapter for cellular phones NEC P100
DAAP7	8D5379	Adapter for cellular phones NEC P7
RMC27	8D7069	Rack for 12 SNM46FR and 1 power supply
RMC28	8D7070	Rack for 10 SNM46FR and 2 power supplies
PSU27	8D6058	Power supply for RMC27 and RMC28 racks
CD03/1,5	8D4153	Male/female cable for serial interface of synchronous and asynchronous terminals
CD45/1	9D0505	Universal cable for pc serial interface
CD31/1	9D0504	Connection cable for Apple Macintosh serial interface