

## 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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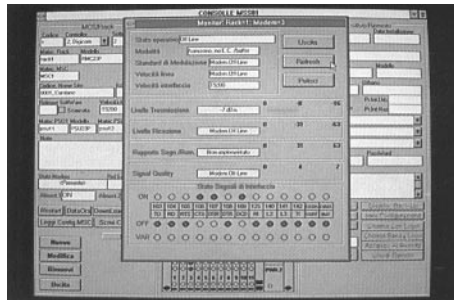
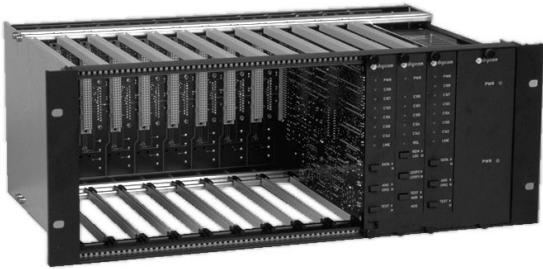


All digicom's products are manufactured using the latest technologies (**SMT/SMD**) and they guarantee the highest quality level in conformity with **ISO9001/EN29000** certifications and European **CE mark**.

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