

TANDATA Tm722 HIGH SPEED MODEM



Superb communications with total confidence

The Tandata Tm722 allows you to communicate at very high speeds with complete assurance of error corrected transmission/reception. You can be assured that it comes from a company which is renowned for the outstanding quality and reliability of its products.

The Tm722 is suitable for all communications requirements and will accomplish them simply, with greater speed, greater accuracy and giving greater savings than you've previously enjoyed.



EASY-TO-USE AND

With the Tm722 Tandata give you a high-speed modem conforming to CCITT V22bis and V22 international standards, allowing simple operation at speeds of 2400 and 1200bps.

Error correction, a vital element when operating at high speed, is

HIGH SPEED COMMUNICATION

Databases are increasingly offering high speed facilities for accessing and downloading all types of information, so that now the only modem you need for all your communications is the Tm722. With operating speeds of 2400 or 1200bps full duplex it has been designed with the requirements of the modern communicator in mind.

The Tm722's many features, such as Hayes compatibility, auto-dial, auto-answer, error correction, non-volatile 10 number directory, pulse or tone dialling and PSTN or leased line operation, make it the ideal choice for any dial-up communication requirement, including:

- File transfer: Auto-dial and auto-answer enables efficient transfer of data between computers.
- Wide area networks: Ideal for accurate data transmission over lines of variable quality.

- On-line databases:

All types of databases are easily and automatically accessed, including Electronic Mail Services and other Private and Public Databases, either by direct dial or through networks. Almost all networks are now accessible using the Tm722, including Prestel, Istel, Fastrak, PSS, IBM and many others.

ERROR-FREE COMMUNICATION

When operating at high speed it is essential to ensure the data being transferred is free from errors caused by line distortion or other factors. To achieve this the Tm722 is provided with T-Link (MNP level 3) error correction as

D IMPRESSIVELY RELIABLE

provided as standard, thereby guaranteeing the accuracy of all data sent or received.

The Tm722 has been designed and is manufactured to the highest standards and consequently is so superbly reliable that Tandata are giving an unprecedented 2-year

warranty with each modem.

Operation of the Tm722 is particularly simple, as it will work easily with all commonly-used communications software programmes.

standard. The modem can be set to seek whether the modem to which it is connected is capable of MNP, and will either start error correction transfer or revert to normal mode, according to the setting of the remote modem.

Other error correction protocols, such as VASSCOM and EPAD, are progressively becoming available on versions of the Tm722.

RELIABLE COMMUNICATION

The Tm722 has been designed with reliability in mind. It has comprehensive self-test facilities and can operate in two test modes:

- Remote digital loopback at 1200bps, to test the integrity of the whole network.

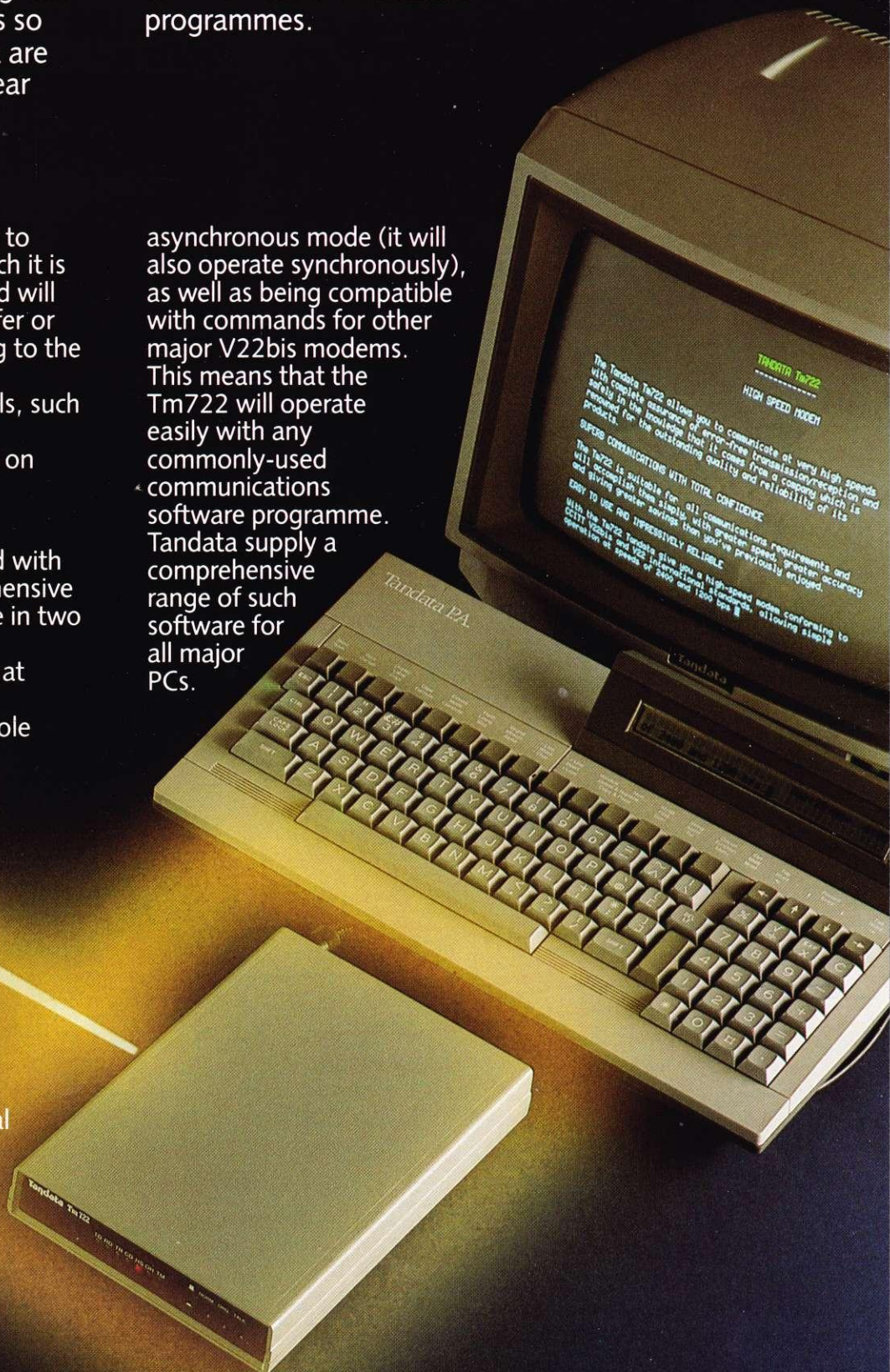
- Local analogue loopback to confirm the modulation and demodulation of the modem. In addition, Tandata give a 2-year warranty with the Tm722 as a measure of the total confidence you can place in the reliability of this superb modem.

COMPATIBILITY

To simplify operation, the Tm722 is compatible with both Hayes and Microcom command sets in

asynchronous mode (it will also operate synchronously), as well as being compatible with commands for other major V22bis modems.

This means that the Tm722 will operate easily with any commonly-used communications software programme. Tandata supply a comprehensive range of such software for all major PCs.



Technical Specification

DIALLING

The modem can auto-dial, either pulse or tone, using the Hayes command set or Hayes compatible communications software.

Alternatively, the modem can be commanded to take the line after using the telephone to dial from the terminal or computer, or by using the front panel switches.

LEASED LINE

The Tm722 can be configured to work on leased lines by simple jumper adjustment.

DIRECTORY

The modem has a directory capable of storing 10 numbers and/or configuration strings which can easily be accessed for numbers or services which are commonly used.

MODEM BAUD RATE

The modem can operate at the following baud rates: 2400bps (V22bis), 1200bps (V22) or 600bps (V22 fall back). It can auto-sense the speed of the answer modem and connect accordingly.

BUFFERED INTERFACE

The Tm722 has sufficient RAM to provide a buffered interface between terminal and telephone line.

FLOW CONTROL

The modem can exert flow control to the local terminal/host equipment by use of CTS or XOn/XOff and can, if conditions allow, control the remote modem by the use of XOn/XOff.

CALL TERMINATION

The modem may be removed from the line by the use of DTR or the normal Hayes commands. The modem will also drop the line if the remote modem drops carrier or if a previously set RS232 inactivity time-out has expired.

AUTO-ANSWER

The modem can be set to auto-answer, using the normal Hayes command set. An additional feature is that the auto-answer status information is stored in the modem's EEPROM so that the unit can be powered down and still be capable of auto-answer on power up.

ERROR CORRECTION

The modem comes with Microcom Networking Protocol Level 3 error correction as standard. The modem can be set to seek whether the modem to which it is connected is capable of MNP, and will either start error correction transfer or revert to normal mode according to the setting of the other modem.

Tandata are happy to advise on the availability of other error correction options, such as VASSCOM and EPAD.

SELF TEST

The Tm722 can operate in two test modes:

- Remote digital loopback at 1200bps
- Local analogue loopback

FRONT PANEL

The front panel switches allow selection of Talk/Data, Originate/Answer and Normal/Test mode.

LEDs are provided for:

- TD — Transmit Data
- RD — Receive Data
- TR — Terminal Ready
- CD — Carrier Detect
- HS — High Speed (indicates when RS232 port is being used at 2400bps or above)
- OH — Off Hook (indicates when modem has taken the line)
- TM — Test Mode

BACK PANEL

The following interfaces are provided:

- Low voltage power in
- Phone line in, phone socket out (600 series PST)
- RS232 port — all normal signals supported at speeds between 600 and 9600bps.

In addition there are 4 switches for the following functions:

- DTR active
- DSR/DCD active
- Async/Sync mode selection
- Internal/external clock selection (sync mode only)

TEST DATABASE

In order to enable prospective customers to try out communications at 2400bps Tandata have developed a test database. For full details contact Tandata.

The Tm722 forms part of an extensive range of modems and communications software for all applications. For details of these other products, please contact us at the address shown below.

DIMENSIONS & WEIGHT

Dimensions: 40mm (D) x 250mm (L) x 160mm (W).
Weight: 720 grams (excluding power supply).



Tandata

COMMUNICATIONS

PLEASE NOTE OUR NEW ADDRESS:
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