REDIFFUSION
Computers

Teleputer Series

TELEPUTER SERIES

A Teleputer is the closest yet to the truly all purpose business information tool. It combines the features of a computer terminal, a viewdata colour television, a personal microcomputer, and shortly, an interactive video system (VCR or video disk) – all designed to give you maximum support to make your business more effective.

The Teleputer system mixes the best in today's technology in sound,vision and data to create an entirely new communications medium.

With such a range of abilities, you can look at information held on the public viewdata service Prestel★, or any private videotex system. When combined with Rediffusion Computer's Corporate Videotex System (CVS), the Teleputer provides the ultimate in office systems. The Teleputer and CVS are elements within Rediffusion's integrated office systems.

Teleputer Model I

Teleputer Model I is a powerful videotex terminal. It provides easy access to videotex services, which means it has access to a wide range of useful information. It can be connected to Prestel★, or to your own in-house Prestel★ compatible videotex system such as Rediffusion's CVS.

Teleputer Model I consists of a clear, bright, 14″ colour display providing superb definition, a sleek plinth, and a choice of easy to use keyboards. The Teleputer Terminal is designed to be used on your desk, to bring the wealth of information it can access to your fingertips.
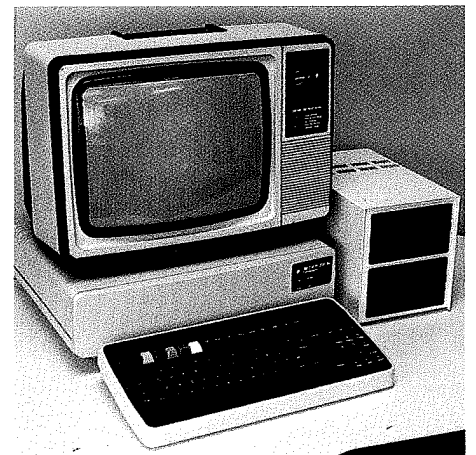
The screen display is in full colour, so that the seven colours available will bring life and interest to both text and graphics.

Connection to a normal telephone line is simple, and via telephone lines your Teleputer terminal can be linked to a variety of videotex services. It even remembers the telephone numbers, so that all you have to do is press the appropriate key for the service you wish to use.

Once you have gained access to the videotex service you desire, your Teleputer terminal can store a number of videotex pages in its memory. These pages can then be viewed later while the terminal is no longer connected to minimise telephone charges.

In cases where you want to access certain videotex pages frequently, 'Speedpage' can help you. It is a facility which will take you directly to the videotex page you desire, without keying long strings of numbers.

For ease of use, reliability and versatility, the Teleputer device is a powerful communication tool in today's business environment.

Teleputer Model III

The management tool of today, Teleputer Model III is the powerful combination of a microcomputer and a videotex terminal. You can use the microcomputer to help with all your business applications, such as financial planning or word processing. You can use the videotex capability to refer to information held on distant computers, or public information services such as British Telecom's Prestel★.

Teleputer Model III consists of four main elements. A 14″ bright, clear, colour display providing superb definition makes the product a pleasure to use. The sleek plinth houses a powerful microcomputer, a Z80A with 64Kb RAM, capable of running the widely used CP/M★ operating system. Alternatively, the terminal can run its own CP* operating system which includes a 'BASIC' interpreter.

Software packages have been developed to run under CP/M★ to perform virtually any function you could imagine, including the especially popular financial planning and word processing. The keyboard has been

laid out like a normal typewriter, while each of the two mini floppy disk drives can store up to 320Kb of information.

Connection to a normal telephone line is simple, and via telephone lines your Teleputer system can be linked to a variety of videotex services.

A powerful videotex facility is 'Autoaccess'. This allows you to set a time, and then at this selected time the Teleputer Model III will automatically dial a predetermined videotex service. Once it has dialled and established contact, the Teleputer device will call for, and then store, any desired list of videotex pages onto its floppy disks. The information on these pages can then be recalled, viewed and analysed at your leisure.

This means that, as an example, as you leave your office in the evening, you set your Teleputer system into 'Autoaccess'. At the predetermined time, say two o'clock in the morning, the terminal will dial through and collect the pages you require, while telephone charges are at their lowest. Next morning, when you return to the office, the information you require is stored on the Teleputer's floppy disks, and can be studied as and when you desire.

This is only the start of the story, because then you could use the microcomputer element of your Teleputer Model III to process,

manipulate and present the information gathered in whatever format or manner you desire.

As an option, Teleputer Model III can also be used as a graphics terminal. In addition to the Prestel★ compatible graphics, the Teleputer can also generate, process and store fine line graphics. In this mode each of 240 × 240 pixels are individually addressable, so that diagrams, graphs and even simple pictures can be brought to life.

A wide range of options are available to expand and tailor your Teleputer system to meet your precise requirements. For example, memory size can be expanded from 64Kb to 128Kb, an IEEE interface is available to enable connection of various process control and monitoring equipment and a wide range of different character sets are supported.

Teleputer Model III, the simple to use and comprehensive management tool of today has an advanced specification to help provide you with all the information you may need.

Teleputer Models IV and V

The Teleputer range is shortly to be enhanced in an exciting way. Taking the 'Teleputer' concept to it's ultimate, Teleputer Model IV combines videotex and local computing with a video cassette recorder. Uses are limitless – as an estate agent you could combine videotex pages of information with actual pictures of the property on offer, or holiday companies could combine videotex pages with a short video showing the hotel and resort.
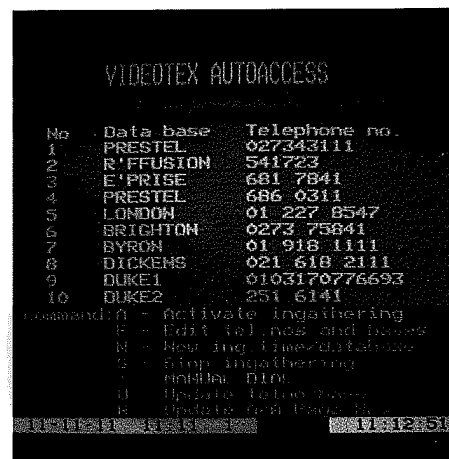
In a computer aided learning context, text, and the structured training of a videotex based programmed learning course could be interspaced with recorded lectures, illustrations and examples, to give a complete training system.

Teleputer Model V substitutes video disk for VCR: Once again, applications are limited only by your imagination.

Teleputer systems are a new concept in computer related products, bringing together the major developments of recent years, which were designed to improve communications – videotex, VCR, video disk and personal computers. It opens up whole new areas of information and text storage, retrieval and manipulation; offering exciting opportunities to all types of organisations to increase efficiency and reduce costs.

The Teleputer range represents a major revolution in communication systems. The covergence of multiple technologies into a single system provides new opportunities for informatics, publishing and education – a new way of communicating between men and machines.

★Prestel is a trademark of British Telecom. CP/M is a trademark of Digital Research.

Specifications

MODEL I SPECIFICATION

General:
Viewdata capability supporting serial attributes.
(1200/75 and 1200/1200).

Screen:
Non-interlaced 14'' RGB monitor.
24 lines × 40 columns.
  ariable screen brightness.

Keyboard:
Detachable from plinth.
QWERTY layout.
Optional editing/graphics keys.

Interface:
Inbuilt 1200/75 modem.
Auto-dialler with up to six stored telephone numbers.

Speedpage:
Up to 10 viewdata page numbers with associated telephone numbers can be stored for rapid access.

Page Store:
Up to 10 viewdata pages can be stored in volatile page store.

Printer:
Optionally, video screen image printers are supported.

T.V.:
Optional 625 line TV tuner.

Dimensions:
  Plinth:
  18.5'' × 14'' × 5.5''
  (470mm × 360mm × 140mm).
  Monitor:
  18.5'' × 14'' × 13''
  (470mm × 360mm × 330mm).
  Keyboard:
  18.5'' × 8'' × 3 ''
  (470mm × 200mm × 76mm)
All dimensions are approximate.

Weight:
27lb (12.5Kg) approx.

Environmental:
Operating ambient +35 degrees C.
80% Non-condensing humidity.
Storage −20 degrees c to +60 degrees C.

MODEL III SPECIFICATION

Processor:
Z80A 8 bit microprocessor with 64K bytes RAM plus 4K bytes.

Additional Facilities:
Viewdata capability supporting both serial and parallel attributes.
(1200/75 and 1200/1200).
Autodial capability under program control.
Alpha-mosaic graphics (80 × 72).
Audio facilities.

Basic software:
CP* operating system including semi-compiled BASIC interpretor.
CP/M★ operating system.

Screen:
Non-interlaced RGB 14'' colour monitor.
240 × 240 pixel with optional 16Kb graphics RAM.
40/80 chracters per line under software control.
24 lines.

Keyboard:
QWERTY keyboard.
Detachable keyboard.
Programmable function keys.
Viewdata attributes supported.

Mass Storage:
2 × 5.25'' mini floppy disks.
Total capacity 1.0Mb
unformatted, 760Kb formatted.

Interfaces:
1200/75 modem.
CCITT V24/V28 printer port (up to 9,600 bits).
Direct access to databus.

Dimensions:
As Teleputer Model I.

Environmental:
As Teleputer Model I.

Options:
Additional 64K bytes RAM.
16K bytes graphics.
IEEE 488 interface.
Modem board for external modem.
(Up to 9,600 bits/sec async or 19,200 synchronous).
40/80 column display board.
UHF modulator board.
Auto-answer board.
Various character sets are available under software control.

Rediffusion Computers Ltd. has a continuing policy of development and therefore reserves the right to alter the particulars of any equipment described in this document without notice.

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