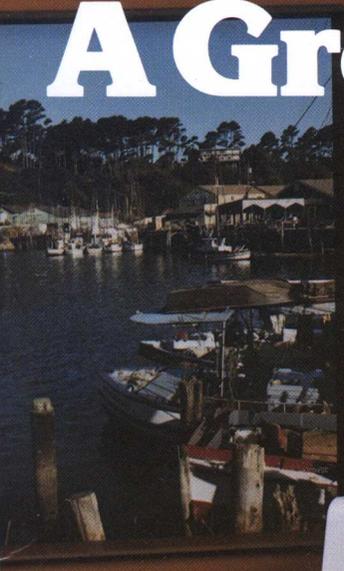


# The Computer Family— with A Growth Path.....



**TeleVideo® Systems**

# TeleVideo..... A

*TeleVideo has been truly innovative and has introduced an exciting array of new ideas to the small business computer market. The company's excellence in marketing, production and support has made TeleVideo the volume and value leader among independent suppliers of smart terminals. And TeleVideo is repeating that success in the small business computer market as well.*



## Who We Are

TeleVideo® is a worldwide organization that is rapidly setting the standard in small systems computers and terminals. Located in the heart of "Silicon Valley" (Sunnyvale, California), TeleVideo's high technology mass volume manufacturing has quickly established it as the true *value leader* in the CRT and small business computer marketplace.

The real secret of TeleVideo's meteoric success is actually inside each and every TeleVideo product. TeleVideo uses standardized modular components, designed and thoroughly tested for state-of-the-art performance and reliability. TeleVideo's innovative mass production techniques are a customer's guarantee of fast delivery of reliable product at unbelievably low prices.

## Why Buy from TeleVideo

TeleVideo computer systems are available to a world-wide Authorized System Distributor Network, and are sold through many thousands of computer dealers and systems houses throughout the world.

## The TeleVideo advantages are many:

- **A Growth Path:** From the single-user TeleVideo TS 801 or 802 to the 16-user TS 816, the company provides you with a clear growth path. When you have to expand your data processing capabilities, you'll be able to do so without software or hardware obsolescence.
- **Multi-User Performance:** Multi-user performance and throughput are assured with TeleVideo's multiple CPU architecture. Each satellite user station (TS 800) has its own CPU and RAM. Application programs are executed locally. Multiple CPU's, being true distributed parallel processing is inherently faster and more reliable than single CPU systems.

# Company on the Move

- **Versatile CPM® Software:** Virtually any application program that runs under CP/M will run on TeleVideo's computer systems. A wide range of user-friendly programs is available through your nearby TeleVideo dealer. Examples include: order entry, accounts receivable, accounts payable, inventory, general ledger, job costing, word processing and payroll.

- **More Value for the Money:** In the computer business, TeleVideo's name has come to stand for true value. This means TeleVideo stands behind its promises of higher performance, better quality, more service, and faster delivery — at a lower price than that asked by the competition.

- **The Best in Reliability:** TeleVideo computer systems feature single board construction, highly reliable 5¼-inch Winchester disk drives, and the finest in high technology semiconductor microcircuits, including 64K RAM chips. All system electronics and sub-assemblies are thoroughly tested and "burned-in" for 5 days before shipment. Our sturdy injection molded cases assure you that your computer system will withstand transit and use and will look new and attractive for many years.



- **A Shared File Compatibility:** TeleVideo offers a unique proprietary service operating systems called MmmOST (Multi-user, multi-task, multi-processor Operating System Technology). MmmOST provides user scheduling, record and file locking, and data base access control between the satellite user stations and the main disk files.



# Single-User

*TeleVideo's TS 801, 802 and 802H models are all single-user computer systems. However, as with all of TeleVideo's systems, when you need more computing capability you can move up the growth path and use any of these computers as satellite user stations in a multi-user arrangement up to 16 units. TeleVideo is always ready to grow when you are.*



## **TS 801 Features:**

- **Z80A 4 MHz processor with Direct Memory Access for fast data transfer**
- **64 Kbytes of RAM main memory**
- **4 Kbytes of EPROM for system diagnostics and boot loading**
- **Floppy disk controller**
- **Dual 5¼" minifloppy disk drives (1 Mbyte capacity, unformatted), .72 Mbyte (formatted)**



## **The TeleVideo TS 801**

The TS 801 microcomputer is a low-cost, powerful single-user system. It combines the TS 801 advanced design, single-board computer with two highly reliable minifloppy disk drives. These drives each store 500 Kbytes, and are packaged in a compact, low-profile enclosure designed to enhance any modern office decor.

The TS 801 uses the industry standard CP/M 2.2 operating system. This lets the user fulfill a wide variety of information and word processing needs using a multitude of commonly available application programs. More application programs have been written for CP/M than for any other small business computer operating system on the market.

- **2 RS-232C serial port standard or 1 RS-232C and 1 RS-422 high-speed port (jumper selectable)**
- **Parallel printer port – Centronics-type interface**
- **CP/M Level 2.2 operating system**
- **Attractive tabletop enclosure**

# Computers

## TeleVideo TS 802 Series

TeleVideo's TS 802 and TS 802H microcomputers are low-cost, powerful single-user integrated computer systems. TeleVideo has combined its top of the line CRT display with an advanced design single board computer (Z80, 64K RAM) with 5¼" floppy disks and Winchester hard disk all in one attractive tabletop enclosure. A detached typewriter-style keyboard is also included. The TS 802 computer features two 5¼-inch floppy disks for 1 Mbyte of on-line storage, and the TS 802H includes one 5¼-inch Winchester disk drive for 10 Mbytes of data storage, and a single 500 Kbyte minifloppy disk unit.

Both the TS 802 and 802H use the industry standard CP/M 2.2 operating system. This lets the user fulfill a wide variety of information and word processing needs using a multitude of commonly available application programs.

### TS 802 & 802H Features:

- **Z80A 4 MHz processor with direct memory access**
- **64 Kbytes of RAM main memory**
- **4 Kbytes of EPROM for system diagnostics and boot loading**
- **Dual floppy disk controller (TS 802), and hard disk controller plus floppy disk controller (TS 802H)**
- **Dual minifloppy disks: 1 Mbyte capacity (TS 802)**
- **Single minifloppy disk (.5 Mbyte capacity), plus 10 Mbyte Winchester 5¼-inch hard disk (TS 802H)**
- **Green phosphor CRT (25 rows by 80 columns)**
- **Typewriter-style detached keyboard**

The TS 802 and TS 802H can accommodate serial printers and modems through the RS-232C serial ports.

When it comes time to expand to a multi-user system, you can utilize either your TS 802 or 802H as a satellite user station in the overall system without modification.



- **Full-screen attributes, editing, smooth scroll, 25th status line, 11 function keys, numeric key pad**
- **2 RS-232C serial ports. These are jumper selectable for any combination of modems or printers**
- **CP/M 2.2 operating system**
- **Attractive tabletop enclosure, fully integrated with CRT, CPU, RAM and disk drives**
- **1 RS-422 high-speed port**



# Multi-User

*TeleVideo's TS 806 and 816 models are high speed multi-user, multi-CPU computer systems. The TS 806 can accommodate up to six users; the TS 816 up to 16 users. Any of TeleVideo's single-user computers (TS 802 or TS 802H or any TS 800 satellite) can be used with the 806/816 multi-user systems to build a powerful multi-user solution for growing businesses.*



## The TeleVideo TS 806

The TS 806 microcomputer is a powerful, multi-tasking, multi-processor system with *true* multi-user capabilities. The TS 806 supports up to six intelligent satellite user stations and offers much greater throughput than that normally attainable in systems run by a single processor. The TeleVideo 806 consists of an advanced design, single-board computer with high performance storage peripherals: one double-sided double-density .5 Mbyte mini-floppy disk drives, and an advanced 10 Mbyte 5¼-inch Winchester drive. Packaged in a compact, low-profile tabletop enclosure the TS 806 enhances any modern office decor.

The TS 806 uses the popular CP/M 2.2 operating system that lets a user fulfill a wide variety of information and word processing needs using a multitude of commonly available application programs.

TeleVideo's MmmOST™ service operating system handles all scheduling and file/record locking between the user station and shared disk files. Up to six user stations may be placed on-line concurrently with no degradation of throughput. The TS 806 is used/expanded by connecting TeleVideo's computers (TS 802, 802H or TS 800 satellite) to the high-speed RS-422 serial channel.

### TS 806 Features:

- Z80A 4 MHz CPU with DMA support
- Up to 6 distributed CPU users
- MmmOST Service Operating System supporting CP/M
- Inter-satellite communication at 800 Kbaud using SDLC bisynchronous communication
- CP/M 2.2 resident in each user station
- 64 Kbytes of RAM main memory
- 4 Kbytes of EPROM for system diagnostics and boot loading
- Single minifloppy disk drive: .5 Mbyte capacity (UF)
- Winchester fixed disk drive with 10 Mbytes capacity (UF)
- Six RS-422 (800 Kb/sec) two RS-232C serial ports
- Parallel printer port (Centronics-type interface)



# Computers

## The TeleVideo TS 816

The TS 816 microcomputer is a powerful, multi-tasking, multi-processor system with *true* multi-user capabilities for up to 16 users. The TS 816 offers much greater throughput than that normally attainable in systems run by a single processor. It consists of an advanced single-board Z80 computer and peripheral controllers supporting a high-performance 23.5 Mbyte 8-inch Winchester disk drive and a high-density 17.2 Mbyte cartridge tape drive. The unit is packaged in a highly attractive, compact, low-profile enclosure.

TS 816 uses the popular CP/M 2.2 operating system for the user environment running under the MmmOST™ executive.

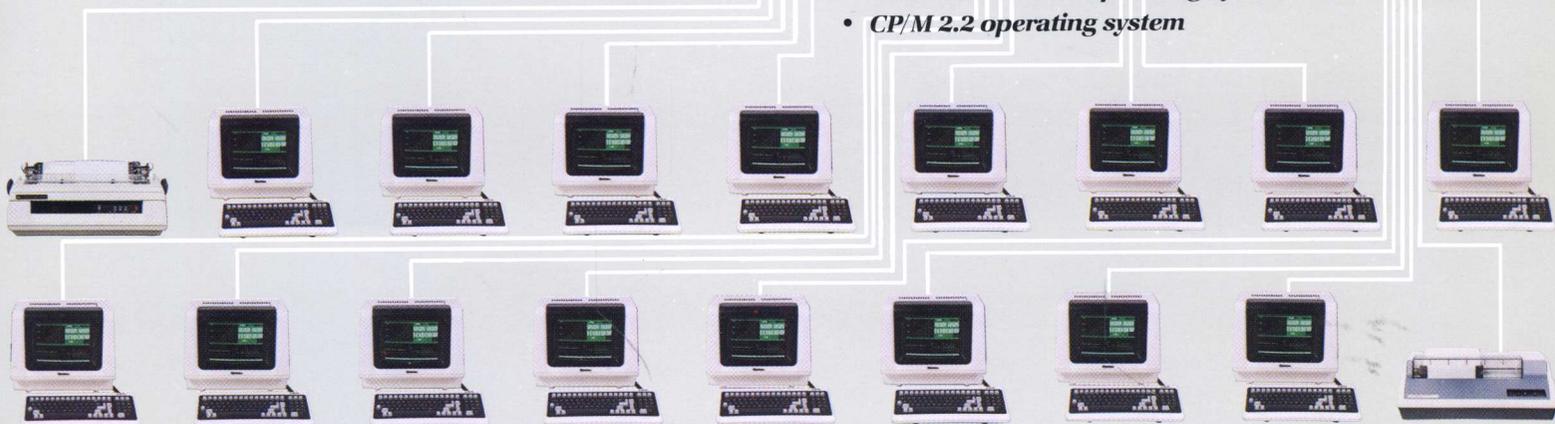
The multi-CPU concept allows 16 user stations to be on-line concurrently with no degradation of system throughput. The TS 816 is used/expanded by connecting TeleVideo computers (TS 801, 802 and 802H) or the TS 800 satellite user station together via the high-speed RS-422 serial ports. For high-speed printer output, the TS-816 can accommodate two serial and one parallel printer attached to the service processor.

*The TS 800 Satellite User Station can bring a large measure of flexibility to any TeleVideo multi-user configuration. This highly intelligent terminal features 2 CPU units for computer and terminal control ...fully detachable keyboard...64 Kbytes of dynamic RAM memory...4K EPROM for diagnostics...full-screen editing and graphics capabilities...and an RS-422 networking serial port and an RS-232C printer serial port.*



### TS 816 Features:

- *Z80A 4 MHz processor with DMA support*
- *128 Kbytes of RAM main memory*
- *4 Kbytes of EPROM for system diagnostics and automatic bootstrap initialization*
- *23.5 Mbyte (unformatted) Winchester disk drive*
- *17.2 Mbyte 1/4-inch tape streaming drive*
- *Sixteen RS-422 (800 Kb/sec) 3 RS-232C serial ports*
- *One parallel printer port (Centronics-type interface)*
- *MmmOST Service Operating System*
- *CP/M 2.2 operating system*



# Technical Specifications

|                                      | TS 801          | TS 802          | TS 802H                      | TS 806                       | TS 816                       | TS 800             |
|--------------------------------------|-----------------|-----------------|------------------------------|------------------------------|------------------------------|--------------------|
| <b>Number of Users</b>               | 1               | 1               | 1                            | 6                            | 16                           | 1 (User Satellite) |
| <b>Microprocessor</b>                | Z80A            | Z80A            | Z80A                         | Z80A                         | Z80A                         | Z80A               |
| <b>Microprocessor Speed</b>          | 4 MHz           | 4 MHz           | 4 MHz                        | 4 MHz                        | 4 MHz                        | 4 MHz              |
| <b>Memory – RAM</b>                  | 64KB            | 64KB            | 64KB                         | 64KB                         | 128KB                        | 64KB               |
| – EPROM                              | 4KB             | 4KB             | 4KB                          | 4KB                          | 4KB                          | 4KB                |
| <b>Floppy Disk Storage</b>           | 2/5¼" FD        | 2/5¼" FD        | 1/5¼" FD                     | 1/5¼" FD                     | 1 Tape Drive                 | N/A                |
| <b>Hard Disk Storage</b>             | N/A             | N/A             | 1/5¼" Winchester             | 1/5¼" Winchester             | 1/8" Winchester              | N/A                |
| – Capacity (unformatted)             | 1.0 MB          | 1.0 MB          | 0.5 MB (FD)<br>9.8 MB (HD)   | 0.5 MB (FD)<br>9.8 MB (HD)   | 23.5 MB (HD)<br>17.2 MB (TD) | N/A                |
| – Capacity (formatted)               | .736 MB         | .736 MB         | 0.367 (FD)<br>7.4 MB (HD)    | 0.367 (FD)<br>7.4 MB (HD)    | 18 MB (HD)<br>14 MB (TD)     | N/A                |
| – Access Time (track to track)       | 5 msec          | 5 msec          | 3 msec                       | 3 msec (HD)                  | 30 msec (TD)                 | N/A                |
| – Data Transfer                      | 250 Kb/sec (FD) | 250 Kb/sec (FD) | 250 Kb/sec<br>5 Mb/sec, (HD) | 250 Kb/sec<br>5 Mb/sec, (HD) | 5 Mb/sec (HD)                | N/A                |
| <b>Operating System</b>              | CP/M® 2.2       | CP/M® 2.2       | CP/M® 2.2                    | CP/M® 2.2                    | CP/M® 2.2                    | CP/M® 2.2          |
| <b>Service Operating System</b>      | MmmOST™         | MmmOST™         | MmmOST™                      | MmmOST™                      | MmmOST™                      | MmmOST™            |
| <b>Power – Voltage</b>               | 115/230 VAC     | 115/230 VAC     | 115/230 VAC                  | 115/230 VAC                  | 115/230 VAC                  | 115/230 VAC        |
| – Frequency                          | 50/60 Hz        | 50/60 Hz        | 50/60 Hz                     | 50/60 Hz                     | 50/60 Hz                     | 50/60 Hz           |
| – Consumption                        | 100 watts       | 150 watts       | 150 watts                    | 100 watts                    | 200 watts                    | 65 watts           |
| <b>Dimensions – Height</b>           | 7¼"             | 13.5"           | 13.5"                        | 7¼"                          | 7¼"                          | 13 ⅓"              |
| – Width                              | 17½"            | 22"             | 22"                          | 17½"                         | 17½"                         | 16⅞"               |
| – Depth                              | 16⅞"            | 14⅜"            | 14⅜"                         | 16⅞"                         | 16⅞"                         | 14"                |
| <b>Weight</b>                        | 36 lbs.         | 65 lbs.         | 65 lbs.                      | 50 lbs.                      | 52 lbs.                      | 25 lbs.            |
| <b>Serial Ports –</b>                |                 |                 |                              |                              |                              |                    |
| – RS232C                             | 2               | 2               | 2                            | 1                            | 2                            | 1                  |
| – RS232C (ASCII Terminal)            | 0               | 0               | 0                            | 1                            | 1                            | 0                  |
| – RS422 (Satellite Station)          | 1 (Alt.)        | 1               | 1                            | 6                            | 16                           | 1                  |
| – Parallel Port (Centronics Printer) | 1               | 0               | 0                            | 1                            | 1                            | 0                  |
| – Expansion Port                     | 0               | 0               | 0                            | 1                            | 1                            | 0                  |

## TeleVideo Software

TeleVideo's computers are "CP/M" machines. Under CP/M a minimum of 9 programming languages are available – BASIC, FORTRAN, COBOL, PASCAL, APL, ALGOL, PL/1, FORTH, and "C." TeleVideo's MmmOST executive also supports shared file environment running with a high performance COBOL.

A wealth of CP/M applications program software is available through TeleVideo distributors and dealers world-wide. These programs include: accounts receivable, accounts payable, inventory, general ledger, order entry, word processing, job costing and payroll.

CP/M is supplied as standard with every TeleVideo computer system.

MmmOST is supplied with every TeleVideo multi-user systems (TS 806 and TS 816). MmmOST provides the ability to run in a multi-user/shared file environment and provides such features as file and record lock.

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(Specifications subject to change without notice)

Printed in U.S.A.