The Tenet 210 is a large scale, interactive time-sharing computer designed specifically for remote terminal applications with anywhere from 32 to 128 simultaneous users on line. Its modular design will permit expansion to as many as 500 simultaneous users system. Without replacing a single piece of original equipment. Without obsolescence.

The ultimate system comprises multiple CPUs, a million byte core memory capacity, eight million byte semiconductor memory capacity, and a billion byte disc memory capacity. It requires remarkably low cost time-sharing potential for the full spectrum of timesharing computer users because it was designed from the start as a time-sharing system, optimized in every phase of design and construction to the special potentials and requirements of a large scale time-sharing system. It is capable of handling long and complex programs, has large file capacity, by far the best BASIC language yet introduced, every type of terminal over a wide range of speeds, remote job entry and first editing, an extensive and mathematical library, precision to 15 decimal places, a complete and complex arithmetic library and a total of operations and FORTRAN in Level IV. The Tenet 210 is a user-oriented system.

Memory mapping: for better memory utilization, faster response.

Automatic hardware detection of page alteration: eliminating unnecessary page swaps.

User-defined code: reducing program size by providing single-argument subroutine linkages with a single instruction.

A rich machine instruction set: for more efficient memory utilization and faster program execution.

Program context switching in one instruction.

The software which supports the hardware is composed of: System functions; Operating systems; User programs; and Shell programs.

SOFTWARE

The Tenet 210 offers these high level languages and software:

TENET BASIC
- User interacts with program in same language as the one in which program is written.
- User can interrupt program, display and modify data, and continue at any point in the program.

TENET FORTRAN
- Full FORTRAN IV language.
- User interacts with program in the same language as the one in which program is written.
- Program can interrupt program, display and modify data, and continue at any point in the program.

TENET both BASIC and FORTRAN
- Each file can contain up to eight million characters.
- User can access up to eight files simultaneously.
- Each file can contain either fixed-length or variable-length records.
- Each file can be accessed either sequentially or randomly.
- Statements entered without statement numbers are executed immediately.
- User program is executed immediately in response to RUN.
- Program linking allows unlimited program size.
- Fifteen-digit precision.
- Full complex arithmetic capability.

EDITOR
- Lines can be copied, moved, deleted, inserted, or replaced.
- Strings can be deleted, inserted, or replaced within a line.
- Any line can be accessed by specifying the characters in the line or line numbers.
- Files can be combined or separated into multiple files.
- Rules for using the EDITOR are simple and easy to remember.

META ASSEMBLER
- Enables user to define his own programming language and thus program his problem in a language more suitable to his needs.

RECONFIGURABLE LINKER
- Loads one or more meta-assembler-produced binary object modules and links their external symbols.
- Accepts patches.
- Generates external symbol map listing.

ELIBUS
- Provides the user with a compact yet comprehensive debugging aid.
- Allows the user to examine memory and registers.
- Accepts memory and register patches.
- Permits the user to establish as many as 20 break points.

SUPER DEBUG
- Provides the user with an extensive symbolic debugging aid.
- Allows the user to examine memory and register values.
- Accepts memory and register patches.
- Permits the user to establish as many as 20 break points.
- Conditional snapshots.
- Mnemonic instruction instruction, insertion, and alteration.

MATHEMATICAL LIBRARY
- Comprehensive real and complex mathematical library.

COMPREHENSIVE TEST DIAGNOSTICS
- Complete set of diagnostics testing the full instruction repertoire, the map, each of the peripherals, the interrupt system, and the memory.
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