DATAPOINT 5500 ADVANCED BUSINESS PROCESSOR

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The Datapoint 5500 system is the most powerful processor in the Datapoint line. Designed to provide the user with a compact and powerful processing installation, the 5500 rivals many mid-size business computer systems in terms of processing speed and facilities. The 5500 system offers users a practical alternative to a traditional central computer, or it can be used to give more processing power to a remote dispersed processing system. Its abilities range from rapid execution of compiler languages such as COBOL and RPGII to providing processing power for a multi-terminal DATASHARE system.

The instruction set for the 5500 system contains all of the instructions used in the Datapoint 1100 or 2200 systems, providing complete upward programming and input-output compatibility. In addition, the processor provides: higher operating speed, double precision arithmetic, indexing and basing, segmented and protected memory, and additional registers.

The processor provides the basic processor functions for this system, and includes a keyboard, display, dual cassette decks, and 48K of user program memory (in addition to the resident system memory).

Functional Characteristics

Processor:
2 sets of 8, 8-bit program accessible registers
16 deep pushdown stack
Special 4-bit instruction modification register
Multi-byte (string) instructions
Address manipulation instructions
High speed parallel I/O System
Block transfer instructions

Keyboard:
Standard typewriter, 55 keys
11 Key numeric pad
5 control Keys
Audio tones

Video Display:
7x3.5" viewing area
80 columns by 12 rows,
960 Character positions
Upper and lower case plus special
  characters
5x7 dot matrix for high readability
Programmable display memory allows
  generation of 128 characters under
  program control.
High speed character display

Cassette Tapes:
Standard Phillips Cassettes
7.5 inches per second speed
Rewind
Write forward of read forward
Slew forward & reverse
Search forward and reverse mode
Approximately 120,000 Characters
  Storage per tape side
Completely Processor controlled

Memory:
16K reserved for system memory
48K user memory
0.8 microsecond access
Parity checking
Parity bit
Memory allocation
Memory protection

Physical Characteristics

Equipment Dimensions:
Width: 18.5 in. (47 cm)
Height: 9.6 in. (24.5 cm)
Depth: 19.6 in. (49.9 cm)
Weight: 47 lbs. (21.3 kg)

Power Requirements:
115 VAC, 50 or 60 Hz
(230 VAC, 50 or 60 Hz optional)

Environment:
32 to 122 degrees F
(0 to 50 degrees C)
40 to 60% relative humidity, non-condensing

Model Codes

5548 Datapoint 5500, 48K User Memory,
     115 VAC, 50 or 60 Hz
5163 230 VAC, 50 or 60 Hz Power Option