

DATAPoint 1150 DISPERSED PROCESSOR



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A powerful combination of processing and data storage capabilities, the Datapoint 1150 is an important member of the Datapoint family. It is equipped with an advanced business processor (5500-type) and extended user memory, and offers the convenience and ease of the diskette storage medium.

The larger memory size permits usage of sophisticated software and is designed for applications where more complex operations are required, such as concurrent data entry (or processing) and communications. The large user memory (24K) and speed gives the user more power where it is needed.

The Datapoint 1150 enables users to implement a real-time Dispersed Data Processing system, allowing network communications to run concurrently with other processes such as intelligent data entry, report generation, or batch transactions.

The processor features the efficient 5500 instruction set, including powerful memory address indexing and basing capabilities, segmented and protected memory, double precision arithmetic, 16 registers, multiple-byte I/O transfers, state saving and restoring, and privileged instructions. System performance is further enhanced by an increased machine speed (instruction cycle time) of twice that of the Diskette 1100.

The Diskette 1150 is available with 2, 3, or 4 diskette drives, and comes equipped with a high-speed display screen.

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 legibility
- Programmable display memory allows generation of 128 characters under program control.
- High speed character display

Diskettes:*

- Up to four drives
- 256,256 characters/drive
- Average access time: 83 milliseconds
- Completely processor controlled
- *See Diskette listing in the catalog for detailed specifications

Memory:

- 4K reserved for system memory
- 24K user memory, maximum
- 0.8 microsecond access
- Parity checking
- Parity bit
- Memory allocation
- Memory protection

Physical Characteristics

Equipment Dimensions:

- Width: 53.0 in. (134.6 cm)
- Height: 28.0 in. (71.1 cm)
- Depth: 24.0 in. (60.9 cm)
- Weight: 247 lbs. (112 kg)

Power Requirements:

- 115 VAC, 50 or 60 Hz
- (230 VAC, 50 or 60 Hz optional)

Environment:

- 50 to 100 degrees F
- (10 to 38 degrees C)
- 40 to 60% relative humidity, non-condensing

Model Codes

- 1152 Datapoint Diskette 1150
Two Diskette Drives, 115 VAC, 50 or 60 Hz
- 1153 Datapoint Diskette 1150
Three Diskette Drives
- 1154 Datapoint Diskette 1150
Four Diskette Drives
- 5163 230 VAC, 50 or 60 Hz Power Option