DATAPOINT 1170 DISPERSED PROCESSOR

The Datapoint 1170 Dispersed Processor provides users with the perfect balance of processing power and flexibility. Incorporating a 5500-type processor with 48K user memory, the 1170 also offers the convenience and economics of the diskette storage medium.

This processor will support virtually all the standard software designed to run on the 5500 Advanced Business Processor, including a version of the DATASHARE Business Timesharing System developed especially for diskettes. This diskette-based DATASHARE package, designated DS41170, can be configured with up to four video display 3600 or 3610 Datastations, and will support the remote file processing (DSNET) and real-time telecommunications (MULTILINK) enhancements of DATASHARE 4.

The Datapoint 1170 also functions as a stand-alone business computing facility. The 48K processor will both compile and execute application programs in DATABUS, RPGII, BASIC and COBOL. The system is available with two, three, or four diskette drives, for a maximum on-line storage capacity of one million characters. The four-drive model is required for the DATASHARE implementation.

The 1170 will accommodate a wide variety of printers, terminals, and synchronous and asynchronous communications interfaces for a truly versatile networking capability.

Functional Characteristics

2 sets of eight 8-bit program accessible registers
16 deep pushdown stack
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 inch 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 of 83 milliseconds
Completely processor controlled
* See Diskette listing in the catalog for detailed specifications

Memory:
4K system memory restriction
48K user memory, maximum
0.8 microsecond cycle time
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
(240 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

1172 Datapoint Diskette 1170
    Two Diskette Drives, 115 VAC, 50 or 60 Hz
1173 Datapoint Diskette 1170
    Three Diskette Drives
1174 Datapoint Diskette 1170
    Four Diskette Drives
5163 240 VAC, 50 or 60 Hz Power Option