

DATAPoint 1800 DISPERSED PROCESSOR



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A flexible combination of powerful hardware and comprehensive software, the Datapoint 1800 Dispersed Processor offers a wide range of data processing capabilities at a low cost. As a stand-alone system, as part of an Attached Resource Computer™ system, or as a member of a network, the 1800 Dispersed Processor is an easy to use system that can grow with the business it serves.

The 1800's advanced processor provides the basic control functions for the system, and is complemented by 60K bytes of user memory. Double density diskette storage may be expanded from the standard one million characters up to four million. The large, easy to read video display screen is fully programmable, and can display inverse video (dark characters on a light background). The 1800 keyboard is organized in the standard typewriter layout, and is detachable for further operator convenience. The 1800's five interactive function keys may be used for tab or cursor positioning or for program control. The 1800 communications interface supports both auto-answer and auto-dial operations in synchronous and asynchronous line protocols including SDLC.

A comprehensive array of software complements the advanced hardware design of the 1800 Dispersed Processor. DATAFORM® and Interactive COBOL may be used for intelligent data entry. Programs written in Assembler, BASIC, COBOL, RPG, and DATABUS® satisfy a wide variety of data processing requirements. Batch teleprocessing is accomplished with 2780, 3780, HASP, and RES emulation; real-time operations can be conducted with MULTILINK™. UNITERM teletype emulation provides interactive capabilities. In addition, the DATAPOLL® package may be used for Datapoint-to-Datapoint network operations.

The powerful Disk Operating System provides a framework for all operations, and insures that 1800 files are compatible with all Datapoint disk-based systems (1800 programs are compatible with all larger Datapoint systems). Datapoint's DATACOUNTANT™ General Ledger, Payroll and Professional Time Accounting packages are also available for use with the 1800.

As a further advantage, the 1800 is compatible with the Attached Resource Computer system, which links Datapoint processors to form integrated systems of virtually limitless size. As part of an ARC™ system, to all system resources, including the common database, printing facilities, and communications links. Additionally, the Datapoint 1800 Dispersed Processor may be used with a wide variety of Datapoint peripherals, including line, belt, and matrix printers, magnetic tape units, and others.

Functional Characteristics

Processor:

Large Scale Integrated circuit central processing unit
Supports all 1800 operations (keyboard, screen, diskettes, other peripherals, and communications)

Keyboard:

Detachable (1 meter cable)
Standard typewriter, 55 keys
11-key numeric pad
5 control keys
5 programable function keys
Programmable audio tones
Character repeat

Video Display:

5x7.9 inch viewing area
80 columns by 24 rows (1920 character positions)
Upper and lower case
Regular and inverse video
5x7 dot matrix for high readability
Programmable display memory allows generation of 128 characters under program control control.
Highspeed character display

Memory:

4K bytes of system memory (ROM)
60K bytes of user memory (RAM)

Diskette Modules:

Two drives per module
1 million characters per module
Up to 4 modules supported
Average access time: 83 milliseconds
Completely processor-controlled

Physical Characteristics

Equipment Dimensions:

Processor

Width: 19 in. (48.3 cm)
Height: 12 in. (30.5 cm)
Depth: 22.6 in. (57.5 cm)
Weight: 50 lbs. (22.7kg)

Diskette Module

Width: 21.25 in. (53.9cm)
Height: 7.25 in. (18.4cm)
Depth: 22 in. (55.9cm)
Weight: 66 lbs. (30kg)

Power Requirements:

115 or 230 VAC, 50 or 60 Hz

Environment:

50 to 100 degrees F
10 to 38 degrees C
20 to 90% relative humidity, non-condensing

Model Codes

1802 Datapoint 1800, 60k user memory, one diskette module
1842 Datapoint diskette module, 1 million characters
/5163 230 VAC, 50 or 60 Hz Power Option