DATAPOINT 3800 SERIES ATTACHED PROCESSOR

The 3800 series Attached Processors are inexpensive processors with additional keyboard/display features and full Datapoint software capabilities. They are ARC-system dependent, obtaining operating systems and programs from a File Processor within Datapoint's Attached Resource Computer™ systems. They access data stored in an ARC™ system to perform single-user data entry, processing, and communications with all existing Datapoint languages -- DATABUS®, COBOL, RPG PLUS, BASIC PLUS, SCRIBE®, DATAFORM® -- and communications packages -- DATAPOLL®, emulators.

The 3800 series computers include processor, memory, display screen, keyboard, Resource Interface Module, and standard I/O bus.

The 3800 series processor is designed for great flexibility at a low cost.

Two sizes of memory are available. The Model 3810 offers 60K of random-access (RAM) user memory. The Model 3820 provides a total of 120K of user memory.

The 3800 series keyboard maintains the Datapoint family key layout for typing ease. It adds five user-programmable function keys to the five standard control keys for a total of ten function keys.

The large, 24 line by 80 column (1920 character) display screen provides for inverse video -- dark on light -- on a character-by-character basis. Programmable display enhancements include split screen, blink, and page mode.

Also, the distinctive Datapoint "beep" and "click" can be controlled in pitch as well as loudness, for enhanced prompting.

A 5500-type parallel I/O bus allows 3800 Attached Processors to interface with Datapoint peripherals, such as a printer or a communications adaptor.

The software compatibility, additional keyboard/display features and low cost of 3800 Attached Processors make them an ideal choice when adding increments of functionally dispersed data processing power to an ARC system.

Functional Characteristics

Processor:
5500 USER MODE instruction set
5500-type parallel I/O bus

Keyboard:
Standard typewriter, 55 keys
11-Key Numeric Pad
5 control keys
5 programmable special function keys
Programmable audio tones (beep, click)

Video Display:
5X7.9 inch viewing area
80 columns by 24 rows (1920 character positions)
Upper and lower case, plus special characters
Regular and inverse video
5X7 dot matrix for high legibility
Programmable display memory allows generation of 128 characters under program control

Memory:
9-bit word (8 bits + 1 bit parity)
8K system memory reservation
120K maximum user memory
300 nanosecond access

Physical Characteristics

Equipment Dimensions:
Width: 18.5 in. (147 cm.)
Height: 11.5 in. (29.2 cm.)
Depth: 19.5 in. (49.5 cm.)
Weight: 54 lbs. (24.5 kg.)

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
3810 Datapoint 3800, 60K user memory, 115 VAC, 50 or 60 Hz
3820 Datapoint 3800, 120K user memory, 115 VAC, 50 or 60 Hz