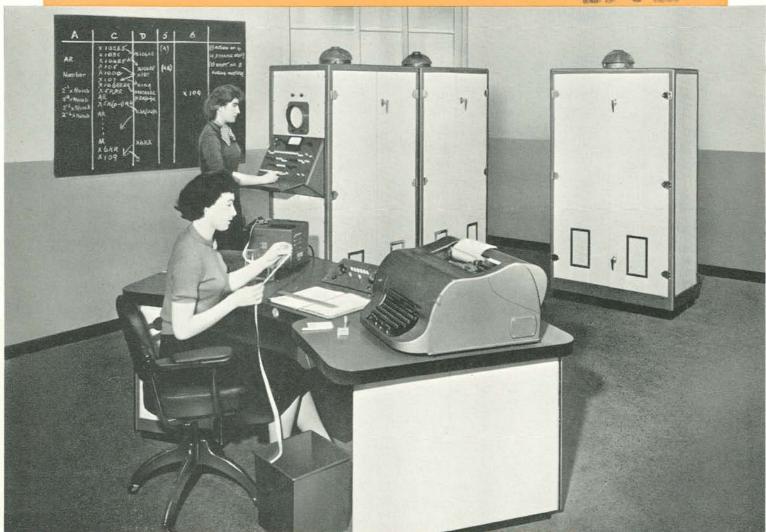
Stanter Zebra

L/101 Ed.1

ELECTRONIC DIGITAL COMPUTER

APR 2 198



Stantec-Zebra is made up of three items of equipment as illustrated.

The Computer Cubicles

These contain the Store, Arithmetic and Control Units and also incorporate Monitor and Test equipment.

The Control Desk

On this are mounted the Input and Output Equipments and the Operating Controls.

The Power Cubicle

In this the Power Supply Units are equipped.



Please address inquires

Intelex Systems Incorporated 22 Thames Street New York 6, N. Ya

Mode

Serial-Binary.

Word Length

33 binary digits (includes 1 sign digit).

Main Store

Magnetic Drum with a capacity of 8 192 words.

Revolution speed 6 000 r.p.m. Maximum access time 10 ms.

Word time—312 us.

Computing Store

15 immediate access stores, each of 1 word length.

Optimum Operation

Addition Subtraction 312 us

Times

Multiplication

11 ms.

Division

35 ms.

An average operational time of all operations (measured over

numerous programmes) is 2 ms.

Input

Punched paper tape with a maximum speed of 200 characters per second. One input device is normally provided. The machine is designed to work with several input devices in parallel if such an arrangement is desired.

Output

Two output devices are normally provided.

(1) Punched paper tape with a speed of 25 or 50 characters

per second.

(2) Direct printing at a speed of 7 characters per second.

Several output devices can be used in parallel if so desired. Alternatively, it will be possible to use printing devices of much

higher speed when these become available.

Monitor and Test

Monitoring CRT displays allow the contents of 4 stores to be examined at any one time. Variations of high tension voltages

can be used to detect incipient component failures.

Test programmes are provided to be used with marginal testing

facilities.

Plug-in electronic units are employed incorporating plug and socket arrangements of well-proven design; spares are provided so that suspect units can be removed for test and, if necessary, repair. This feature also allows a maintenance test routine to be established.

Test keys are provided to enable orders or instructions to be set-up

under manual control.

Power Supply

Approximately 3 kVA is required by the machine.

Approximate Dimensions

Computer (with monitor and test equipment) two cubicles each

 $= 6 \text{ ft. } 6 \text{ in.} \times 3 \text{ ft. } 3 \text{ in.} \times 2 \text{ ft. } 0 \text{ in.}$

Power Cubicle

 $= 6 \text{ ft. } 6 \text{ in.} \times 3 \text{ ft. } 3 \text{ in.} \times 2 \text{ ft. } 0 \text{ in.}$

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