

# Stantec Zebra

L/101  
Ed.1

**ELECTRONIC DIGITAL COMPUTER**

APR 2 1961



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.



**BRIEF SPECIFICATION**

Please address inquiries  
to  
**Intelex Systems Incorporated**  
22 Thames Street  
New York 6, N. Y.

<b>Mode</b>	Serial-Binary.											
<b>Word Length</b>	33 binary digits (includes 1 sign digit).											
<b>Main Store</b>	Magnetic Drum with a capacity of 8 192 words. Revolution speed 6 000 r.p.m. Maximum access time 10 ms. Word time—312 $\mu$ s.											
<b>Computing Store</b>	15 immediate access stores, each of 1 word length.											
<b>Optimum Operation Times</b>	<table border="0"> <tr> <td>Addition</td> <td rowspan="2">}</td> <td>312 <math>\mu</math>s</td> </tr> <tr> <td>Subtraction</td> <td></td> </tr> <tr> <td>Multiplication</td> <td></td> <td>11 ms.</td> </tr> <tr> <td>Division</td> <td></td> <td>35 ms.</td> </tr> </table> <p>An average operational time of all operations (measured over numerous programmes) is 2 ms.</p>	Addition	}	312 $\mu$ s	Subtraction		Multiplication		11 ms.	Division		35 ms.
Addition	}	312 $\mu$ s										
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Multiplication		11 ms.										
Division		35 ms.										
<b>Input</b>	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.											
<b>Output</b>	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.											
<b>Monitor and Test</b>	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.											
<b>Power Supply</b>	Approximately 3 kVA is required by the machine.											
<b>Approximate Dimensions</b>	Computer (with monitor and test equipment) two cubicles each = 6 ft. 6 in. $\times$ 3 ft. 3 in. $\times$ 2 ft. 0 in. Power Cubicle = 6 ft. 6 in. $\times$ 3 ft. 3 in. $\times$ 2 ft. 0 in.											

## *Standard Telephones and Cables Limited*

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