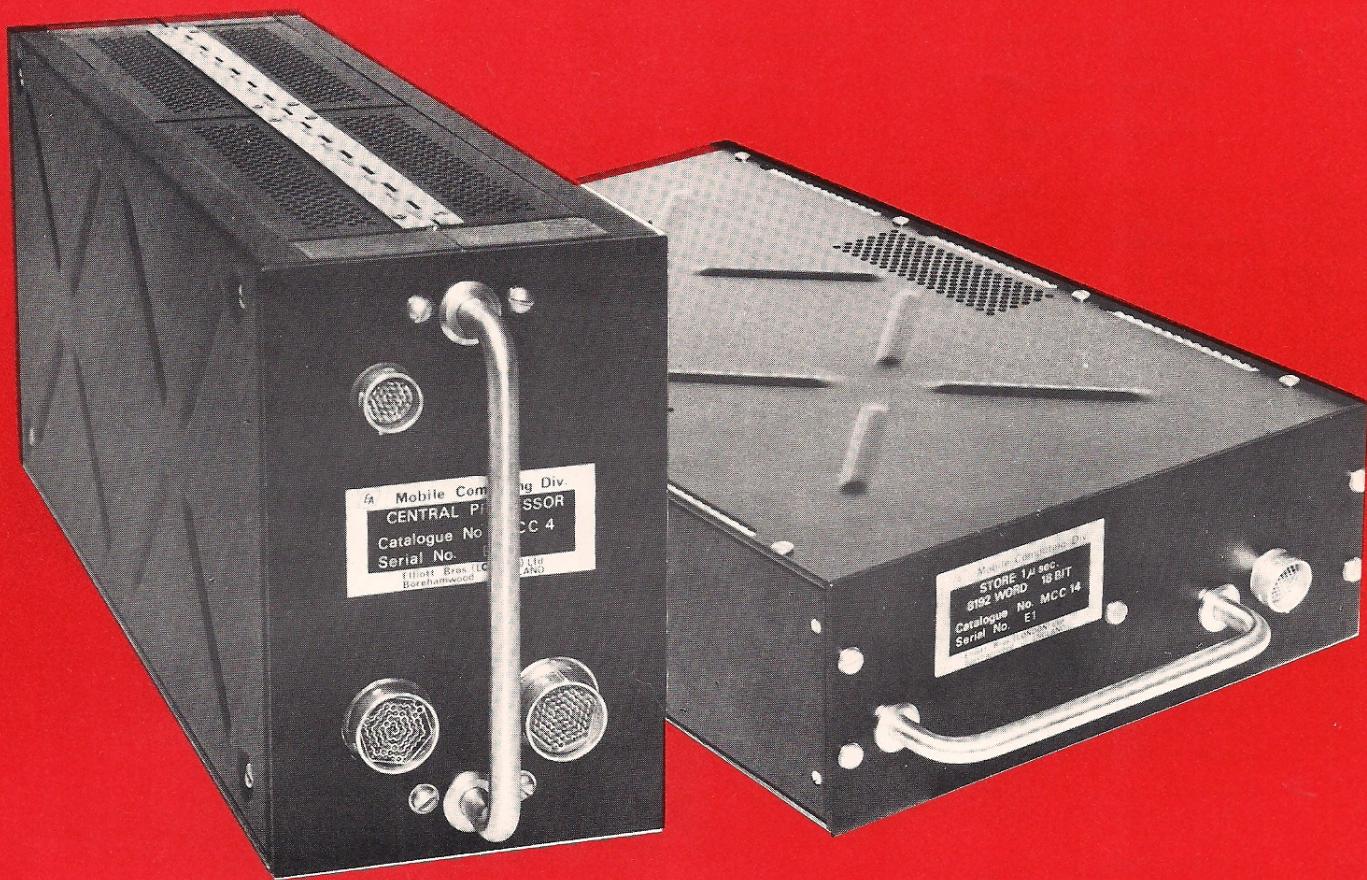


Elliott MCS920C Computer

A compact, ruggedised, high-speed digital computer with silicon integrated circuits, giving an exceptionally reliable performance over a wide temperature range. Combines in one system high capacity for rapid handling of complex real-time scientific calculations with the facility for a large number of peripheral devices to time-share the processor or storage bank. Designed for extension to multi-computer, multi-access systems by the addition of interface control, data routing and highway linking units.



Specification

CONFIGURATION	Central Processor (MCC4)	Store (MCC14)
Dimensions : (approx.)	17" x 5" x 7½" high (43.5cm x 12.7cm x 19.1cm)	17" x 10" x 4" high (43.2cm x 25.4cm x 10.2cm)
Volume : (approx.)	0.37 cu. ft.	0.4 cu. ft.
Weight : (approx.)	16 lb. (7.2 kg.)	23 lb. (10.3kg.) Two stores can be assembled together with an adaptor to form a single unit approx. 17" x 10" x 7½" high (43.2cm x 25.4cm x 19.1cm.)
Power Consumption :	50 watts (approx.) (a choice of power supply units for DC, 50 Hz and 400 Hz inputs is available).	110 watts (approx.)
Type :	general purpose binary digital computer operating in parallel mode.	random access, ferrite core extendable in 8192-word or 16,384-word modules to a total capacity of 131,072 words, directly addressable.
Store Cycle Time :	1 μsec.	
Word Length :	18 bits.	
Number representation :	negative numbers stored as two's complement	
Order Structure :	single address.	
Order Code :	up to 67 functions.	
Interrupt Facilities :	3 levels of priority.	
Operating Speed :	Add 2.2 μS Subtract 3.0 μS Multiply 9.0 μS Divide 17.2 μS	(gross times, including accessing the store and incrementing the Sequence Control Register).

Environment:

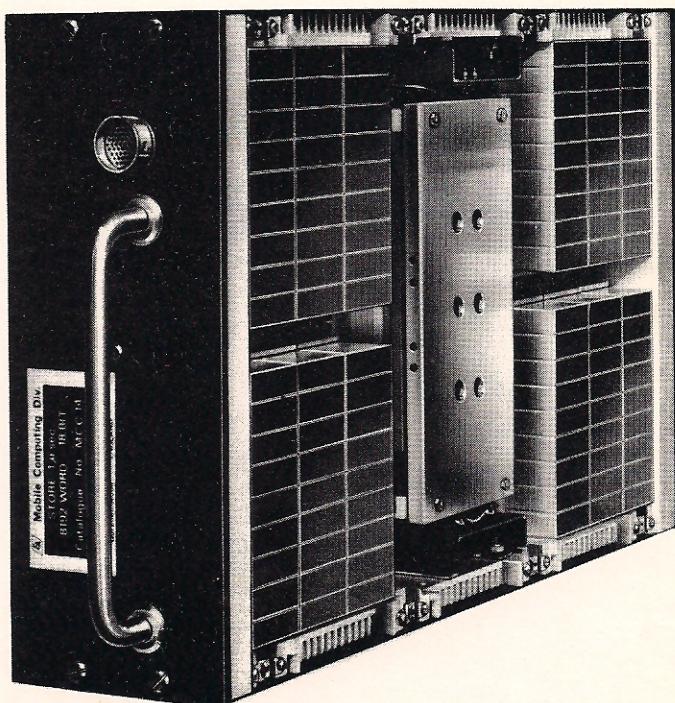
Operating temperature range: 0°C to +55°C
 Non-derangement temperature: -40°C to +85°C
 (In general, meets DEF-133, Sections A2 and L2)

Input/Output Equipment available:

Paper Tape Readers (250 or 500 ch/sec.)
 Paper Tape Punch (110 ch/sec.)
 Teleprinter
 Magnetic tape store
 Magnetic drum backing store (8.4 megabits)
 Program loading unit
 CRT displays
 Keyboards
 Digital plotter
 Matching unit for Elliott 4100 peripherals

Full specification and further details available from:

Mobile Computing Division,
 Elliott Bros. (London) Ltd.,
 Elstree Way,
 Borehamwood,
 Herts.
 Tel: 01-953-2030



ELLIOTT AUTOMATION
 an English Electric Company

8192-word store unit with cover plate removed.