



UNIVAC

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NEWS RELEASE

Technical Release

LARGE SOFTWARE LIBRARY AND REAL-TIME CAPABILITIES ARE FEATURED IN NEW UNIVAC 1108 DATA PROCESSING SYSTEM

NEW YORK, N. Y. - July 24, 1964 . . . The UNIVAC 1108 Data Processing System, a new and powerful general purpose real-time computer that is completely compatible with the UNIVAC 1107 Thin-Film Memory Computer, was announced here today by the UNIVAC Division of Sperry Rand Corporation.

The extensive software library of the UNIVAC 1107 can be run on the new UNIVAC 1108 without modification and without the need for translation or interpretation routines.

Execution time of the UNIVAC 1108 is about 5.3 times faster than the execution time of the UNIVAC 1107.

The internal memory of the UNIVAC 1108 is divided into two separately-accessed banks which can be specified in modules of 32,768, 65,536, or 131,072 words. This dual access feature provides an effective cycle time of 375 nanoseconds. Add time is 750 nanoseconds.

(M O R E)

The technical experience gained in the development and operation of the UNIVAC 490 -- the world's first commercial real-time computer -- has been applied extensively in the new UNIVAC 1108. For example, the externally-specified index (E.S.I.) technique which proved to be extremely successful in the UNIVAC 490 is also being used in the UNIVAC 1108 for identification of multiple remote devices when they are multiplexed into the 1108 in a real-time mode. Each input-output channel in the 1108 will have E.S.I.

Load memory lockout, another extremely useful feature of the 1107, has been augmented in the UNIVAC 1108 to permit lockout selection in 1024-word gradations. For 1108 configurations using less than the maximum 131,072 words, special wiring prevents accidental access of the void memory locations.

Initial production models of the UNIVAC 1108 are scheduled for delivery in July, 1965.

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