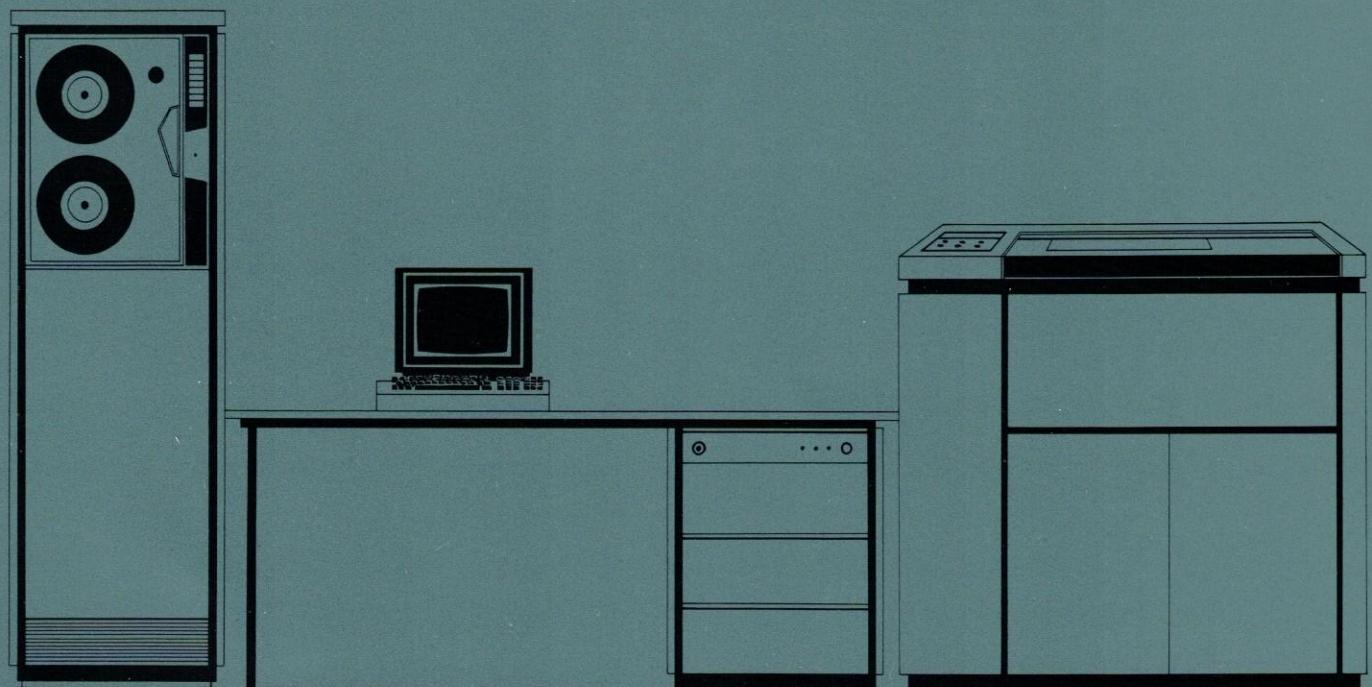


IE 3600



satellite system

rc 3600 hardware

Modern business requires flexibility, versatility, reliability, and expandability – in ideas, people, and machinery.

The RC 3600 is designed to meet these requirements.

RC 3600 hardware modules are among the most modern and reliable equipment on the market today. New modules are added to the RC 3600 system as hardware technology advances and new applications arise.

RC 3600 electronics are industry standard and thoroughly tested. Nothing is left to chance. Every possible condition has been considered, and no module can ever come into an uncontrolled state.

Each RC 3600 module is designed to provide optimum throughput, reliability, and quality – without imposing a load on other equipment modules or on the software.

The hardware organization of the RC 3600 system includes a central unit and a series of peripheral and communications devices, each of which is equipped with all the controllers, adaptors, and formatters necessary for interfacing within any system configuration.

The available range of peripheral and communications devices permits configurations to include the optimum combination of high performance, low cost, and data compatibility characteristics required to provide efficient processing capacity in a wide variety of practical situations.

rc 3600 software

Under the RC 3600 Multiprogramming Utility System, a job configuration is completed by one or more main programs, each of which performs a particular job, such as off-line printing.

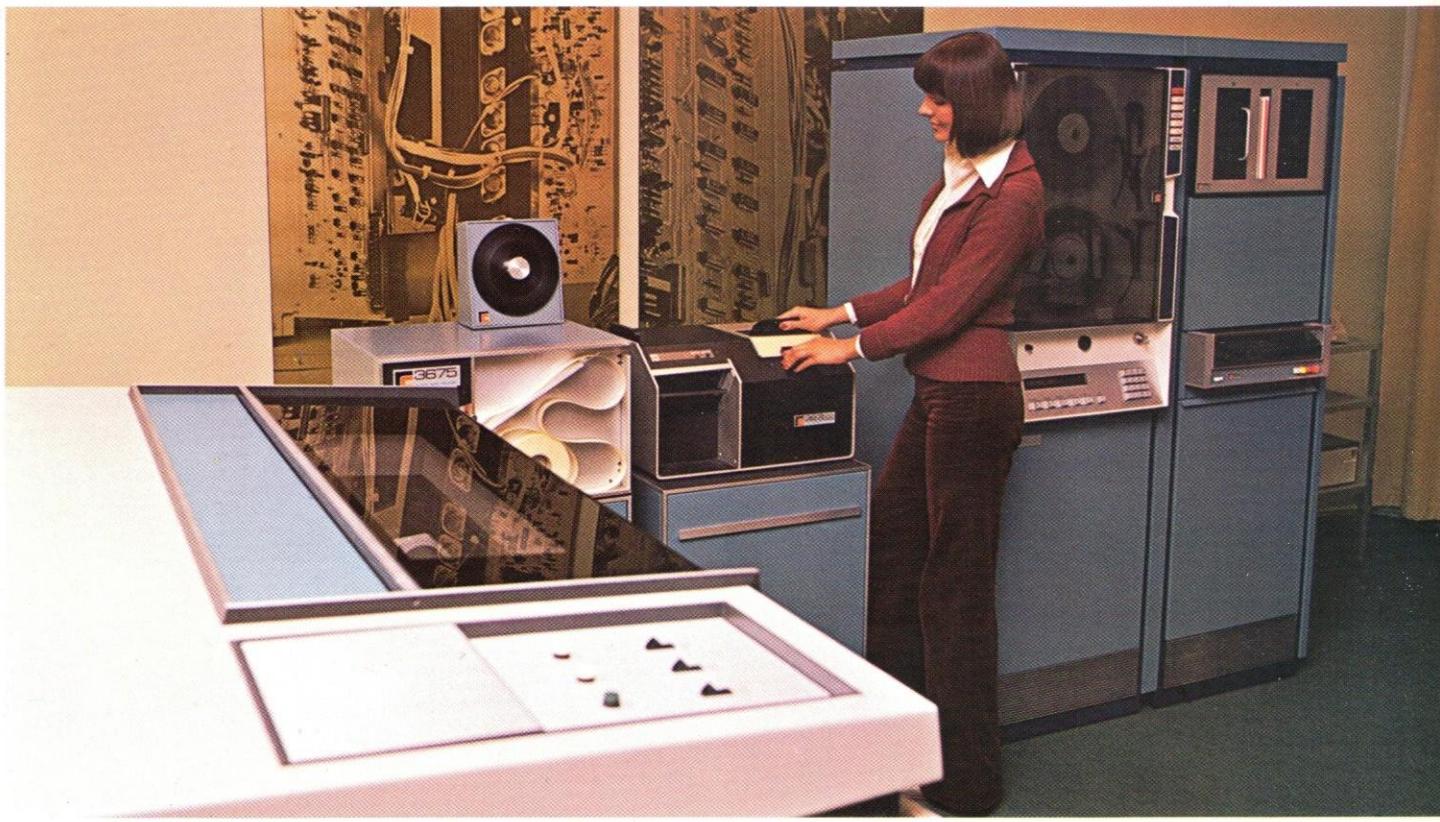
Main programs are written according to the requirements of individual users, and to facilitate the implementation of job configurations for a wide variety of user applications, RC developed the high-level MUSIL programming language, in which all main programs can be easily defined.

MUSIL, which resembles ALGOL and PL/1, makes use of the input/output utility procedures of the RC 3600 Multiprogramming Utility System, and provides a powerful framework for handling structured and unstructured string type data, a capability essential for business data processing applications.

RC 3600 user software includes customized completed programs for data communications, data conversion, data collection, and data entry applications. The programs are delivered in a form ready to load and run. The user is not involved in coding, and no programming training is required to use this software.

All main programs have a set of run-time parameters, which are used by the operator to control job execution. Many of these parameters can be specified – if the user so desires – to be modifiable at run time from the console device. When this is the case, a single main program can be set up at run time to perform jobs having different parameter values, and the user need not specify in advance every possible variation in processing requirements that may arise.

The MUSIL compiler and text editor, as well as programmer training, are available to users who wish to code their own main programs.



	MAGNETIC TAPES	9/1600 bpi 9/ 800 bpi 9/800+1600 bpi 7/200+ 556 bpi
	LINE PRINTERS	1800 lpm 1200 lpm 900 lpm 600 lpm 300 lpm
	SERIAL PRINTERS	165 cps 330 cps
	PAPER TAPE READERS	500 cps 2000 cps
	PAPER TAPE PUNCHES	75 cps
	CASSETTE TAPE	ECMA 34

	FLEXIBLE DISCS	0.24 MB
	CARTRIDGE DISCS	2.4 MB
	CARD READERS	300 cpm 600 cpm
	CARD READER/PUNCHES	200/75 cpm
	TERMINALS	10 cps 30 cps
	VDU'S	up to 4800 bps
	COMMUNICATIONS	single-line BSC 4-line BSC 8-line asynchronous 64-line asynchronous

rc 3600 satellite systems

● **Data communications systems**

RC 3600 provides RJE capability by emulating mainframe manufacturers' terminals, and can function without emulation as a remote output or input batch facility or in communication with another RC 3600.

● **Data conversion systems**

RC 3600 frees the mainframe from time-consuming and costly I/O functions, makes it possible to allocate I/O responsibilities, and provides sturdy special-purpose equipment for routine conversion jobs.

● **Data collection systems**

RC 3600 collects or concentrates input data received via synchronous and asynchronous communications lines from terminals of all kinds, and provides the possibility of centralized data editing, conversion, and routing.

● **Data entry systems**

RC 3600 collects input data from local and remote keystations under record format control, and after validation, formatting, verification, and editing, transfers completed data batches from disc to magnetic tape or, in RJE fashion, to a central computer site.

● **Multi-satellite systems**

RC 3600 is not just one of these systems – it is all of them. Multiprogramming allows two or more of the above-mentioned functions to proceed simultaneously.



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