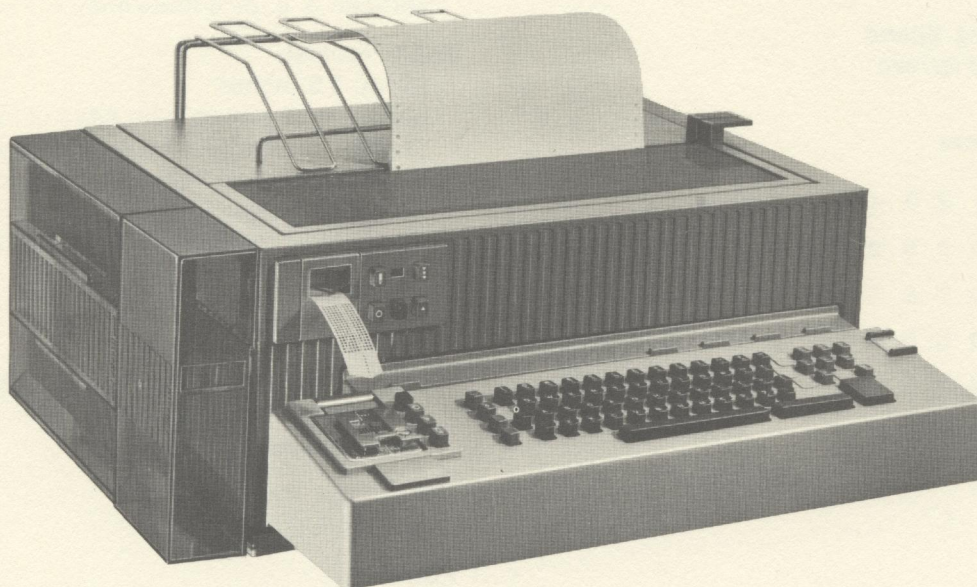


**RC 328 TELETYPEWRITER TERMINAL
AND
RC 4123 TELEMULTIPLEXER**

The teletypewriter terminal is an asynchronously operated printing and send/receive device providing a printing and transfer rate of 10 characters/second using the ISO/CCITT No. 5 (7-element) alphabet. The terminal includes a paper tape reader and punch, and is connected to the low-speed data channel of the RC 4000 computer via the telemultiplexer, which can serve up to 24 simultaneously operating terminals.

Interfaced according to ISO/CCITT Recommendation V.24, the teletypewriter terminal can be connected to the RC 4000 computer directly, via private lines, or via public tele-

graph and telephone networks (100 or 110 bauds full duplex). The terminal can also be employed off-line to prepare paper tapes for the computer.

The teletypewriter terminal is a self-contained console unit with a power supply and paper tape magazines for the printer and punch.

Operation

The teletypewriter terminal consists of a transmitter section, with keyboard and paper tape reader, and a receiver section, with printer and paper tape punch. The two sections are not connected mechanically.

During an output operation characters are received from the telemultiplexer and printed (and possibly punched). During an input operation characters are transmitted from the keyboard or the paper tape reader to the telemultiplexer. If the telemultiplexer is waiting to receive data, the characters are accepted and immediately retransmitted to the receiver section to be printed out. This retransmission ensures completely program controlled terminal operation.

From the telemultiplexer an interrupt can be sent via the telemultiplexer interrupt expander to the RC 4000 computer.

The teletypewriter terminal has a local/remote switch, which can be set manually. In remote mode the terminal is program controlled. In local mode the operator can replace paper tape or perform off-line punching or reading of paper tapes.

CHARACTERISTICS

Printing Speed

10 char/sec

Alphabet

0 1 2 3 4 5 6 7 8 9
 a b c d e f g h i j k l m n o
 p q r s t u v w x y z æ ø å
 A B C D E F G H I J K L M N O
 P Q R S T U V W X Y Z Æ Ø Å
 . , / () * + , - . / :
 ; < = > ? _ ! # \$ % &
 @ ^ ` ~

Code

ISO/CCITT No. 5 7-bit code plus 1 parity bit (even parity)

Transmission Interface

CCITT V. 24

Print Density

horizontal: 10 char/inch

vertical: 3, 4, or 6 lines/inch

Paper Format

width: 9.5 inches

horizontal distance from edge of form to center of pin-feed hole: 0.25 inches

vertical distance between centers of pin-feed holes: 0.5 inches

diameter of pin-feed hole: 0.15 inches

Paper Tape

width: 1 inch

tracks: 8

vertical and horizontal hole spacing:

0.1 inch center-to-center

hole diameter: 0.7 inches

Motor Start Time

less than 0.5 seconds

Power

220 V \pm 10 %, 50–60 Hz

Size

width: 22 5/8 inches

depth: 23 inches

height: 37 1/2 inches

RC4000
 COMPUTER[®]