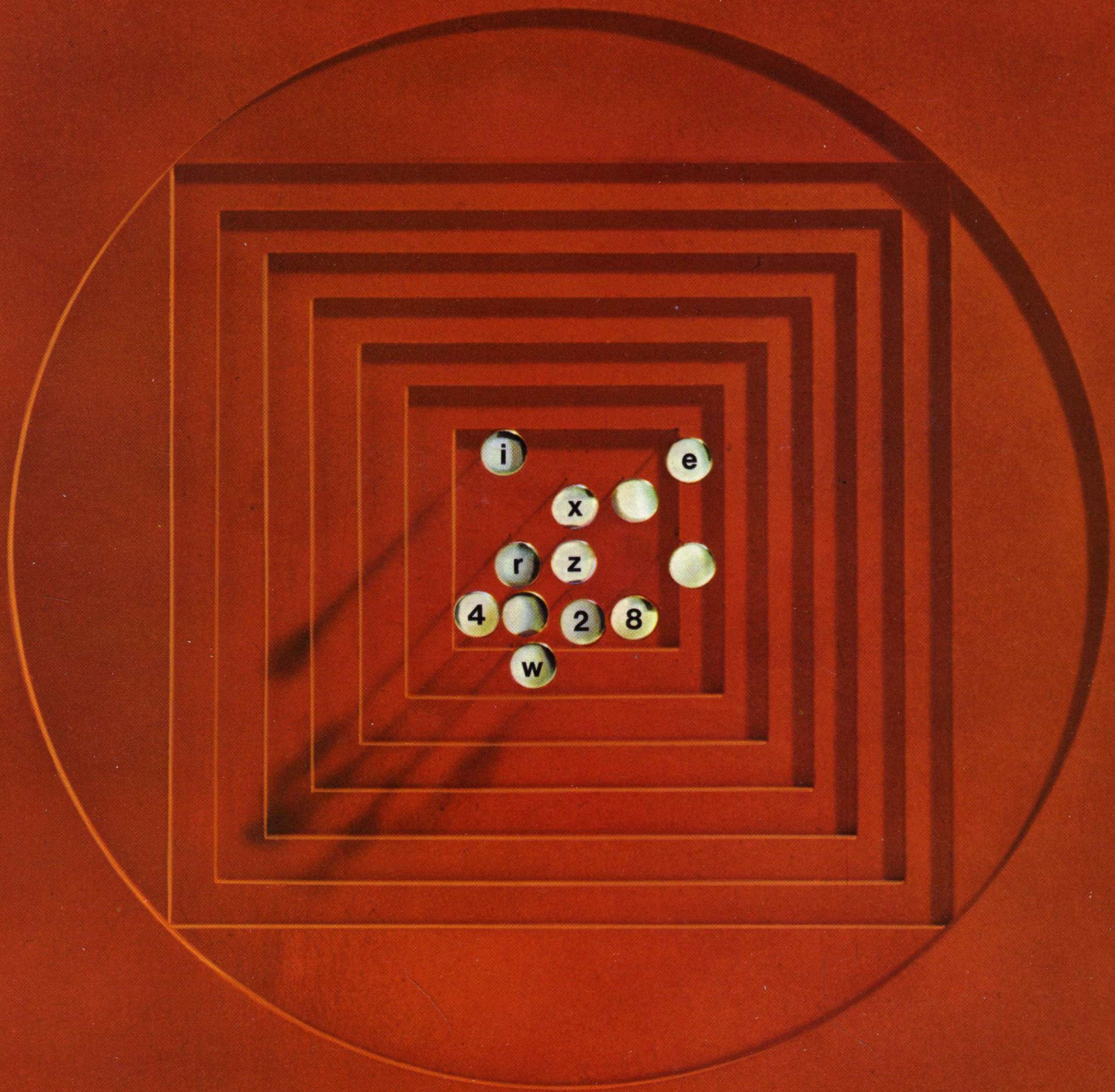
UNIVAC

DCT 1000 DATA COMMUNICATION TERMINAL



SPERRY RAND

UNMATCHED TERMINAL UTILIZATION

Fully buffered; synchronous or asynchronous. Operates in batch or interactive mode under computer control. The UNIVAC®DCT 1000 data communication terminal performs in virtually any communications facility. . . providing unmatched utilization of common carrier communication facilities.

Accelerated communications. . . rated speeds up to 4,800 bits per second, speeding information to central computers or co-terminals from a local or remote site. Unlimited varieties of configurations via point-to-point, multipoint, or multiplexed operation. . . on switched or private lines. New terminal potential in off-line operations for media conversion. . . to list cards, or to generate paper tapes. Bring dynamic capabilities of UNIVAC 1701 verifying punch (VP) and UNIVAC 1710 verifying interpreting punch (VIP) to off-line operations. . . while other units are operating on-line.

Connect the DCT 1000 to a UNIVAC DCS (data communication subsystem) or the UNIVAC CTMC (communication terminal module controller). Use the UNIVAC terminal multiplexer to intermix the UNIVAC DCT 1000 and UNISCOPE™100 display terminal in any combination on the same transmission line.

Print monitor, unattended answering, character and block parity checking, error detection, retransmission of messages. . . all standard features.

Expand from a basic receive-only printer without keyboard. . . to a full terminal with keyboard and up to three peripheral devices, including card reader, card punch, paper tape reader/punch or auxiliary printer.

New techniques simplify printing operations by replacing the conventional printer with a sophisticated, easy-to-operate printing system.

Potential, versatility, modularity, capability. . . all integrated into the communications device worth immediate investigation. . . the UNIVAC DCT 1000 data communication terminal.

FUNCTIONAL CHARACTERISTICS

Printer and Control Unit

Buffers
Two 160-character buffers

Transmission mode
half-duplex, 2 or 4 wire (non-simultaneous, two-way transmission)
full-duplex, with multiplexer

Transmission facilities
voice-grade telephone toll or private line

Transmission rate
300 baud asynchronous
1200 baud asynchronous
1800 baud asynchronous
up to 4800 baud synchronous

Transmission code
ASCII

Interface
EIA Standard RS232C/CCITT terminal multiplexer
UNIVAC CTMC or DCS

Operating mode
batch or conversational

Error detection
block and message parity
automatic retransmission

Selective calling
terminal recognizes and responds to messages directed to it on a multi-station line

Print monitor
terminal printer monitors transmitted or received data

Short block capability
handles shorter messages, thus increasing throughput

Unattended answering
transmits or receives data without operator intervention

Off-line operation
terminal transfers data from any input device to any output device when not connected to the communications facility

Printing system
helical printwheel
select any one of four standard type fonts, including:
ASCII, EBCDIC, A/H (FORTRAN), ECMA/ISO
single print hammer-actuator
ink roller
standard color: black
red, green, violet available

Printable characters
63

Print positions
adjustable up to 132

Spacing
10 characters per inch
6 lines per inch

Printed character size (typical)
height: 0.090 to 0.110 inch
width: 0.060 to 0.085 inch

Paper feed rate
30 lines per second

Home paper rate
12 inches (72 lines) per second

Forms
provides crisp, clean, hard copy on six-part continuously sprocketed forms, or three-part carbonless forms, up to 14 7/8 inches wide. maximum recommended pack thickness: 0.0155 inch.

Optional feature
VP and VIP

Keyboard

Keys
48

Keytop selections
characters conforming to ASCII, EBCDIC, A/H, or ECMA/ISO

Auxiliary printer

same as basic receive-only DCT 1000 terminal

Card reader

Cards
standard 80-column cards, round or square corner, with or without corner cut

Speed
40 cards per minute

Hopper capacity
500 cards—input and output

Translator selections
EBCDIC/ASCII
A (business) or H (scientific)

Optional feature
binary mode reader

Paper tape subsystem

Tape
1 inch

Speed
50 characters per second

Code
5, 6, and 8 level

Optional feature
parity check

VP and VIP

Cards
standard 80-column cards, round or square corner, with or without corner cut

Speed (VP)
35 cards per minute

Speed (VIP)
60 cards per minute when column 22 or less is the last column punched
42 cards per minute when column 50 is the last column punched
35 cards per minute when column 80 is the last column punched

Hopper capacity
600 cards—input and output

Translator selections
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A (business) or H (scientific)

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Optional feature
binary mode punch

PHYSICAL CHARACTERISTICS

Colors
top cover: pale gray
lower enclosure: slate gray
work top: oyster
legs: brushed chrome
accent: red ocher

Printer and control unit
width: 27 5/8 inches
height: 35 5/8 inches
depth: 41 inches including shelf and paper rack
weight: 150 pounds

Paper tape subsystem
width: 14 inches
height: 10 inches
depth: 17 inches
weight: 22 pounds

Card reader
width: 20 inches
height: 12 inches
depth: 8 inches
weight: 25 pounds

VP and VIP
width: 38 inches
height: 39 1/2 inches
depth: 39 inches
weight: VP—275 pounds
VIP—325 pounds

Auxiliary printer
width: 27 5/8 inches
height: 35 5/8 inches
depth: 31 inches including paper rack
weight: 100 pounds

POWER REQUIREMENTS

Printer and control unit
nominal voltage: 120 volts
nominal frequency: 60 Hz (50 Hz available)
phases and lines: single phase, 3 wire
nominal load: 1.2 KVA

Paper tape subsystem
supplied by control unit

Card reader
supplied by control unit

VP and VIP
nominal voltage: 120 volts
nominal frequency: 60 Hz (50 Hz available)
phases and lines: single phase, 3 wire
nominal load: VP—0.6 KVA
VIP—0.7 KVA

Auxiliary printer
nominal voltage: 120 volts
nominal frequency: 60 Hz (50 Hz available)
phases and lines: single phase, 3 wire
nominal load: 0.5 KVA

ENVIRONMENTAL CHARACTERISTICS

Shipping and storage range
up to 72 hours
temperature -40° to +140° F
humidity 1% to 80%

72 hours to 6 months
temperature 0° to 110° F
humidity 1% to 70%

Working range
nominal
temperature 60° to 94° F
humidity 20% to 85%

maximum
temperature 94° F at humidity 20%

Note: A relative humidity range of 20% to 75% is recommended for punch card reading and handling. A relative humidity range of 40% to 60% is recommended for paper tape reading and handling.

Heat dissipated
printer and control unit
1500 BTU per hour

paper tape subsystem
225 BTU per hour

card reader
510 BTU per hour

VP/VIP
1400/1700 BTU per hour

auxiliary printer
940 BTU per hour

All specifications subject to change

U5219 7005 Printed in U.S.A.