

dicom

344
244
144

Represented By:
CAIN & COMPANY
175 S. San Antonio Rd.
Los Altos, California

948-6533

*A COMPLETE
ON LINE/OFF LINE
MAGNETIC TAPE
CASSETTE SYSTEM*



FOR THE FIRST TIME, A MAGNETIC TAPE CASSETTE SYSTEM OFFERING BOTH ON-LINE AND OFF-LINE CAPABILITIES...

In the OFF-LINE mode the Dicom cassette system asynchronously communicates with the standard off-line device (Teleprinter) to record or playback data.

In the ON-LINE mode the Dicom cassette system is used to communicate synchronously between the on-line device and any of up to three tape transports or the Teleprinter. Thus, a small computer and the Dicom cassette system with its associated Teleprinter make a very powerful computer system at a cost far lower than previously available.

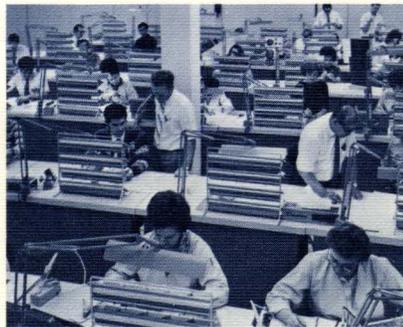
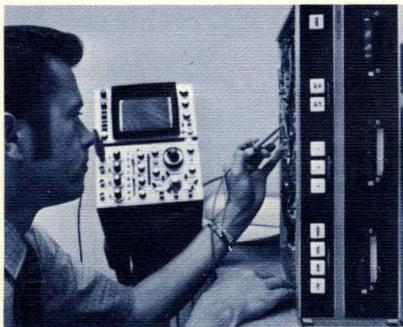
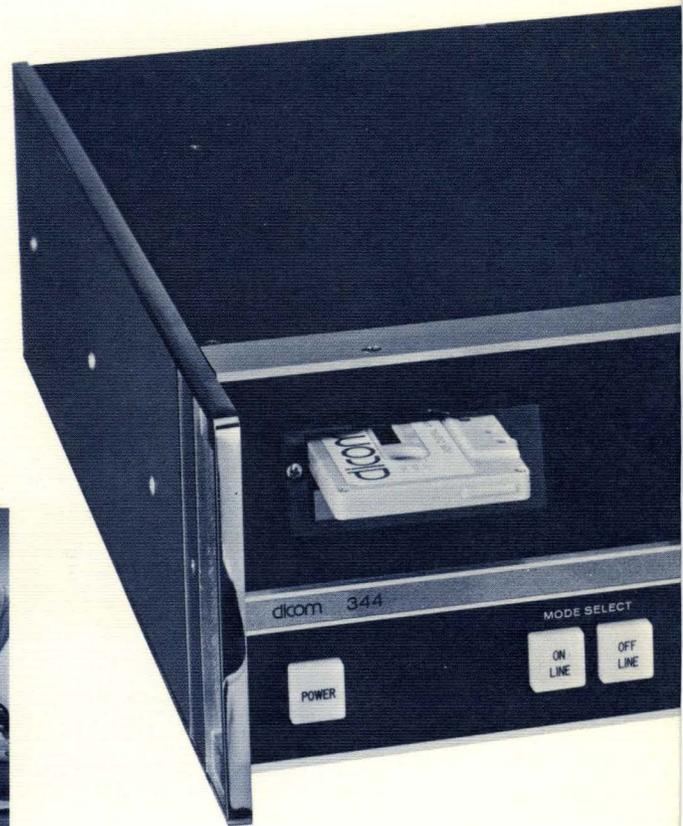
DECK-TO-DECK COMPATIBILITY...

Compatibility between decks within a Dicom cassette system and those of other Dicom cassette systems is assured due to accurate tape guidance and tape motion control.

dicom

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Dicom Industries is now setting the standard in high performance digital cassette recorders designed to give the small computer user a reliable, low cost magnetic tape transport system. Punch paper tape and



OPE

Three independent magnetic complete on-line operating s the standard software system information; on the third cas The total operation is fully au and eliminating operator err

Off-line the Dicom 344 is swi tapes or listing of source/ob

NDARD

its inherent handling problems become obsolete. The small computer user is provided with the speed, accuracy and efficiency of magnetic tape at a cost below that of a paper tape system.



Dicom reliability and performance wins acceptance among computer OEMs.



DICOM 344 THE COMPLETE TAPING SYSTEM...

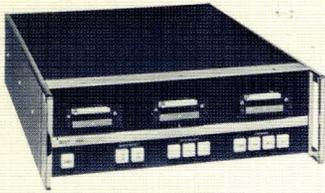
tape transports provide the basis for a system in the Dicom 344. One cassette carries ; a second cassette handles the user's source ette is written the completely linked program. omatic, increasing speed and efficiency or.

ched to the TTY for preparation of source ect programs.

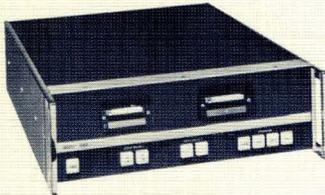
QUALITY FEATURES OF THE DICOM MAGNETIC TAPE SYSTEM...

- Cost below that of paper tape systems
- Guaranteed deck-to-deck compatibility
- Excellence in electromechanical and logical design
- Capstan drive, magnetic brake and clutch for accurate tape motion control.
- Magnetic tape system operating characteristics for on-line use
- Longitudinal parity check by character to assure data validity
- Standard 1, 2 or 3 deck transport system provided in 5 $\frac{1}{4}$ " panel space
- System configurations for date editing available
- Front-loading of cassettes permits desk top or cabinet use
- Accepts serial or parallel data on-line and off-line
- 540,000 character system storage capacity available

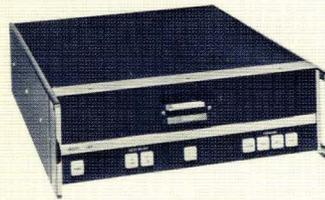
A FULL LINE CASSETTE MAGNETIC TAPE SYSTEM



DICOM 344 — Includes cabinet with three decks, read/write electronics, power supply, front panel controls with optional TTY I/O interface and high speed buffer. 540,000 character storage capacity.



DICOM 244 — Includes cabinet with two decks, read/write electronics, power supply, front panel controls with optional TTY I/O interface and high speed buffer. 360,000 character storage capacity.



DICOM 144 — Includes cabinet with one deck, read/write electronics, power supply, front panel controls with optional TTY I/O interface and high speed buffer. 180,000 character storage capacity.

SYSTEM CAPACITY

Cassettes per system	1, 2 or 3
Bit Packing Density	550 bpi
Cassette Storage Capacity	180,000 8 bit character (300 foot tape)
Character Length	8 bit
Record Length	Variable

PERFORMANCE CHARACTERISTICS

Transfer Rate	500 char/sec synchronous, 0 to 400 char/sec asynchronous. Optional "burst mode": 500,000 char/sec synchronous, 0 to 10,000 char/sec asynchronous
Tape Speed	10 inches/sec
Rewind Time	Less than 60 sec. EOT to BOT
Inter-record Gap	0.25 inch
Start Time	Less than 15 milliseconds
Stop Time	Less than 10 milliseconds
Recording Technique	Diphase™
BOT/EOT	Photo-sensed
Electrical Interface	DTL/TTL compatible
Power Requirements	105 to 125 vac 60Hz

PHYSICAL PROPERTIES

Mounting	Desk-Top or standard 19" RETMA mtg, 5¼" vertical space
Operating Temp. Range	+ 5 to 45°C
Operating Humidity Range	20 to 90%, non-condensing
Control Functions (Manual, Programmable)	Rewind, read, write, halt, search and file mark
Device Select (Manual, Programmable)	On-line, off-line
Deck Select (Manual, Programmable)	1, 2, 3; Off-line Device Selection Programmable

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