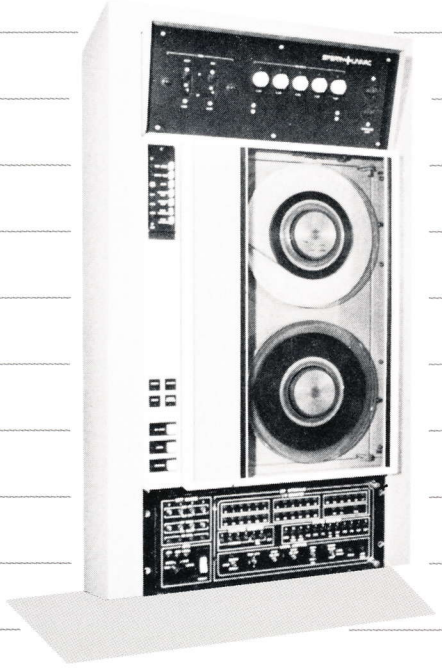
Magnetic Tape Subsystem (MTS)

SPERRY

- System consists of 1 Magnetic Tape Controller (MTC) and 1 to 4 Magnetic Tape Transports (MTTs)
- 7 track NRZI industry standard format
- 45 IPS read/write, 150 IPS rewind
- 200 or 800 BPI density
- Dual channel interface (1 or 2 Input Output Processors (IOPs)
- 19″ standard rack mounting
- Special Integral Magnetic Tape (IMT) read mode
- Long tape life



Features

Magnetic Tape Transport (MTT) Characteristics

Functional

7 track read-after-write heads
Format compatible interblock gaps
10.5 inch reel, 2400 foot, half inch wide tape
7 track NRZI, 200 or 800 bits per inch
45 IPS read/write speed
±3% instantaneous speed variation
Vacuum column tape buffer
150 IPS rewind speed

Physical (MTT)

Size (inches): 24.5H x 19W x 10.7D (from mounting surface)
Standard EIA 19" rack mounting
Weight: 90 pounds
Power:
120 VAC, 60 Hz, single phase
361 watts
Operating temperature: 2° C to 50° C
Relative humidity: 15% to 95% non-condensing

Magnetic Tape Controller (MTC) Characteristics

Functional

One to four tape transports (MTTs) per system
Dual channel computer interface, 32-bit, parallel Type A (Sperry Univac specification SB 10205)
Computer controlled functions:
Request/release control
Transport select
Read/write forward (normal or extended inter-record gap)
Read IMT format (dependent upon switch setting)
Space file or block forward/reverse
Skip file or block, forward or backward
Write file mark
Rewind
Odd or even parity
Status reporting

Physical (MTC)

Size (inches): 7.0H x 19W x 20D (from mounting surface)
Standard EIA 19" rack mounting (FA-8380)
Weight: 22.5 pounds
Power: 120 VAC, 60 Hz, single phase
Operating Temperature: 2° C to 50° C
Relative Humidity: 15% to 95% non-condensing

Applications

- Air traffic control
- General data and program storage
- Minicomputer installations
- Office, laboratory and industrial applications
- Management information systems
- Medium scale processing systems

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