

**IBM**

**3501**

**3521**

**Card Reader**

**Card Punch**

### Product Description

The IBM 3501 Card Reader and IBM 3521 Card Punch are the newest additions to the line of 80 column card I/O devices. Designed for the user desiring low speed with high reliability, these small size, tabletop machines provide a wide range of punched card I/O functions.

### Design Features

- The IBM 3501 and 3521 are designed to be natively attached to the host system.
- A unique feature is the absence of text on the machine operator panel. Control keys are color coded green for start, red for stop, and blue for NPRO.
- Left and right check lights monitor left and right sides of the transport.

### Programming Support by Host System

#### Serviceability

- No scope - general logic probe
- No PM or scheduled maintenance required
- MAPs using split page format diagnose to FRU
- Diagnostics require no program training
  - Data path diagnostics
  - Half speed diagnostics
  - Function exercisers
- Technology - VTL with discrete components

#### Career Path

Depending upon the using system

### 3501 Highlights

- 80 column serial reader
- Approximately 10" high, 10" wide, and 14" long (25.4 x 25.4 x 35.5 cm.)
- Two sensor design
  - Trailing edge photocell
  - Starwheel EDS read head
- 50 cpm (program dependent)
- 400 card capacity hopper/stacker

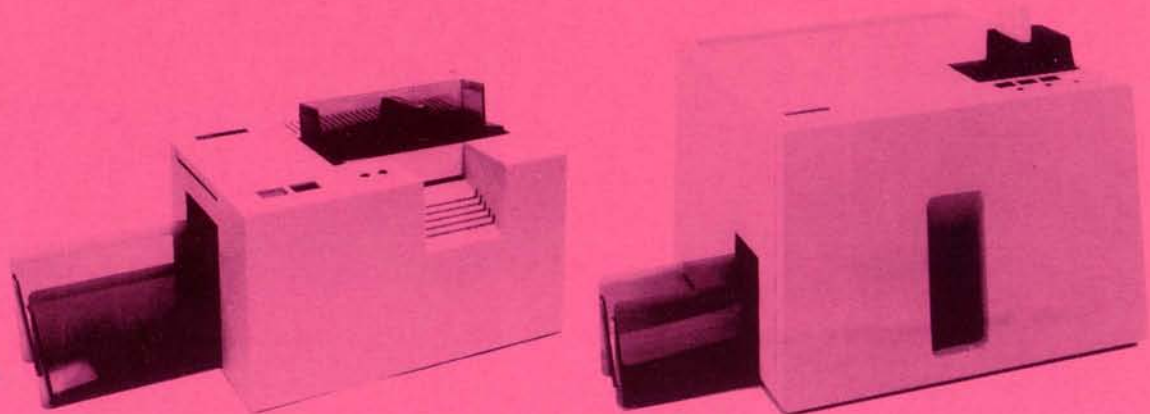
### 3521 Highlights

- 80 column serial punch
- Approximately 14" high, 19" wide, and 20" long (36.5 x 48.3 x 50.8 cm.)
- Independent functional units
- 50 cpm (program dependent)
- 400 card capacity hopper/stacker
- Print and Read options

### 3521 Features

- Read
  - 12 light emitting diodes
  - 12 photo transistors
  - 12 compensating amplifiers
  - One FRU
  - No adjustments
- Print (above 12 row)
  - 64 character set
  - 1 type drum and 8 hammers
  - Long life ink roll
- Katakana Print (25 cpm)
  - 128 character set

Photos are of design models



3501 Card Reader

3521 Card Punch

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Printed in Western Germany