IBM

**Customer
Engineering
Introduction
to . . . .**

1026

Introduction

The IBM 1026 Transmission Control Unit provides IBM with the means of entering the low-cost on-line TELE-PROCESSING® area. The IBM 1026 provides the necessary components to connect existing IBM terminal equipment, via half-duplex communication lines, to the IBM 1240, 1401, 1440, and 1460 Data Processing Systems. The transmission control unit is a single-line communication unit. Each unit can serve a number of terminals on one line, and as many as four units can serve a data processing system. Information from the communication line enters the 1026 serial-by-bit, serial-by-character.

IBM 1026 Transmission Control Unit

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Data Control

The IBM 1026, with a data processing system, provides the components to:
- Control selection of communication lines and terminals.
- Control bit-to-character and character-to-message assembly.
- Control message-to-character and character-to-bit distribution.
- Accommodate data set interface.

Terminal Equipment

The IBM 1026 links its associated data processing system with the following terminal equipment:
- IBM 357 Data Collection System.
- IBM 1030 Data Collection System.
- IBM 1050 Data Communication System.
- IBM 1060 Data Communication System.
- IBM 1070 Process Communication System.
- More than one type of terminal can be utilized on a given system, but only one type of terminal can be used on a given communication line.
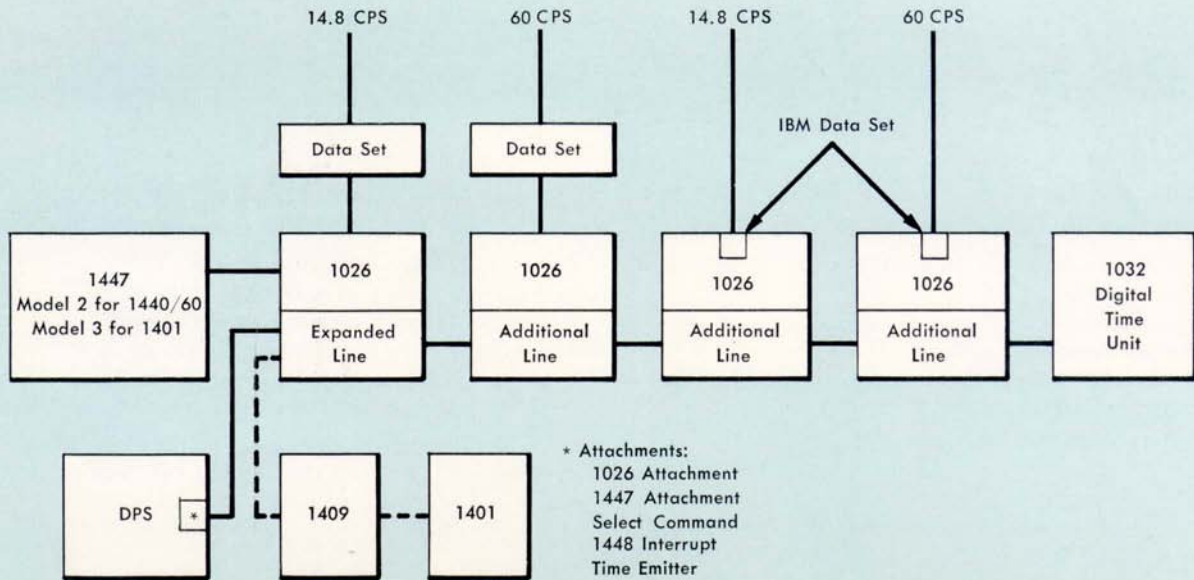
System Attachment

- The data processing system must have Indexing, Store Address, and 1026 Transmisison Control attachment features.

- The IBM 1447 Model 2 or 3 can utilize the 1026 delay-line buffer to enter or receive data from the processing system.

CE Features

- Packaging design accommodates the portable indicator box used on the 1440, 1460, and 1448 products. Twenty-three control and bit register lines may be displayed.

- A portable control panel may be used in conjunction with the indicator box to load, unload and view data and control signals during off-line servicing. This control panel can be operated in single-cycle or continuous mode.

- Each additional 1026 installed (2nd, 3rd, or 4th) can be independently serviced off line without affecting the other 1026 operations.

- A simplified storage is utilized, which consists of a delay line with a 210-character capacity.

- Processor attachment features and modifications to the 1026 to accommodate terminal equipment can be field installed.

14.8 CPS   60 CPS   14.8 CPS   60 CPS

| Data Set | Data Set | IBM Data Set |

| 1447 Model 2 for 1440/60 Model 3 for 1401 | 1026 Expanded Line | 1026 Additional Line | 1026 Additional Line | 1026 Additional Line | 1032 Digital Time Unit |

| DPS * | 1409 | 1401 |

* Attachments:
  1026 Attachment
  1447 Attachment
  Select Command
  1448 Interrupt
  Time Emitter