IBM

3760

Dual Key Entry Station

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Product Description

The IBM 3760 is a Dual Key Entry Station enhancing the IBM 3790 Communication System with Data Entry Applications. Purpose of the 3760 is to record keyed data onto the 3791 Controller disk.

The disk in the 3791 is used as a data storage medium prior to transmission of batched data by channel or SDLC communications facilities to a S/370 Virtual Storage processor (Model 125 and above).

With the 3760 the customer can prepare his computer input off-line from up to 24 keyboards simultaneously.

An operator can use the 3760 to:

- Enter a batch
- Verify a batch
- Scan a batch

Formats which are defined and entered by the customer, are used to control functions such as skipping, duplicating, editing, balancing and logical checks. Up to ten formats can be used per job.

A 3760 station has two keyboards and one dual gaspanel, so that each station accomodates two operators.

Connection to the 3791 Controller is via a coax cable with a maximum length of 610 metres (2000 feet).

Models

3760 Model 1 Dual Key Entry Station, consisting of:

- Two keyboards
- One Dual 240-character gaspanel
- Logic
- TSR 2 Power supply

3760 Model 2 Dual Key Entry Station, consisting of:

- Two keyboards
- One Dual 240-character gaspanel
- TSR 1 Power supply

The 3760 Model 2 depends for all its operations entirely on the 3760 Model 1, there is no Logic in the Model 2. Two 3760 Model 2's can be attached to a 3760 Model 1. For this attachment, a 3760 Model 2 Adapter is required as a prerequisite in the Model 1.

Models 1and 2 are physically attached to each other.

- Special features
  - ☐ Security Key Lock
  - ☐ Katakana
  - ☐ 3760 Model 2 Adapter

Progamming Support

Communication between the 3790 Communication System/Data Entry Configuration and the S/370 CPU will be provided by means of the Batch Transfer Program (BTP). The BTP is a utility-like program, designed to be executed in a S/370 CPU under control of either DOS/VS, OS/VS1 or OS/VS2, using VTAM as the access method for communicating with the 3790 Communication System Data Entry Configuration.
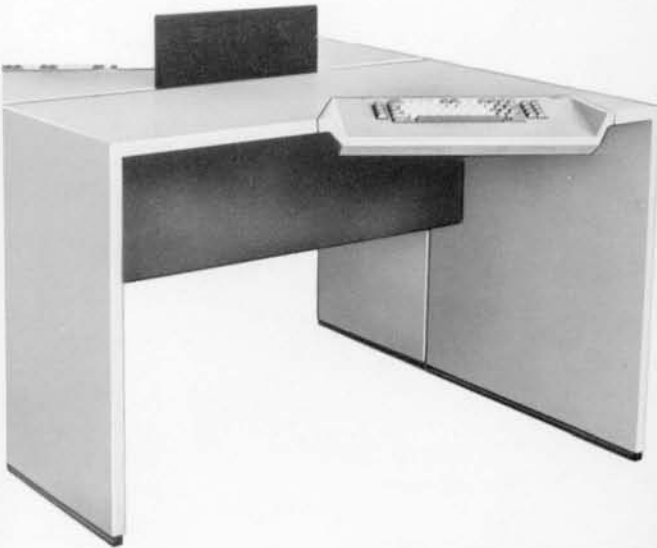
DPCE Programming Support is only available when the IBM 3790 is running under control of above Programming Systems.

CE Career Path

The 3760 Dual Key Entry Station is a "Data Recording" CE career path product.

System Configuration

A maximum of 8 Model 1's can be attached to the 3791.
Each Model 1 can be extended with one or two Model 2's.
The total number of keyboards, however, cannot exceed 24.

Serviceability

- Automatically invoked Basic Assurance Tests at Power on time.

- CE Services:
  - A Tests that can be invoked by the CE:
    - □ Scan Code Test
    - □ Single Key Test
    - □ Display Panel Test
    - □ Controller Test
    - □ Adapter Test
  - B Error Log Data Retrieval

- Maintenance Analysis Procedure (MAP): Symptom oriented.

- Error detection by built-in micro coded routines.

- Error indication by visual messages on the operator panel.

- Problem Recovery Procedure for customer.

- Error Logging.

- No Preventive Maintenance.

- No mechanical adjustments.

- Minimum of FRU's (Field Replaceable Units).

Technologies

- High density Logic, called LSI (Large Scale Integration).

- Electronic Capacitive Coupled Keyboard.

- Transistor Switching Regulator (TSR) Power Supplies.

- Gaspanel Display.

Reliability

- No moving parts.

- Electronic Keyboard.

- Soft error recovery.

Features

- Selective features
  - □ High or Low Voltage Group
  - □ Various Language groups