

# 2078

# MEMOREX

**Green and Amber Screen  
Display Stations**





# The Memorex 2078 Green and Amber Screen Display Stations

## Available in Four Models

Memorex makes it easy for you to select the right 2078 Display Station to match your application. You can choose from four different models, each available with low profile or ergonomic style keyboards. No matter which model you select, you will find it plugs into your system without hardware or software modifications. Best of all, once your Memorex® 2078 is installed, you will soon discover just how economic it is to operate.



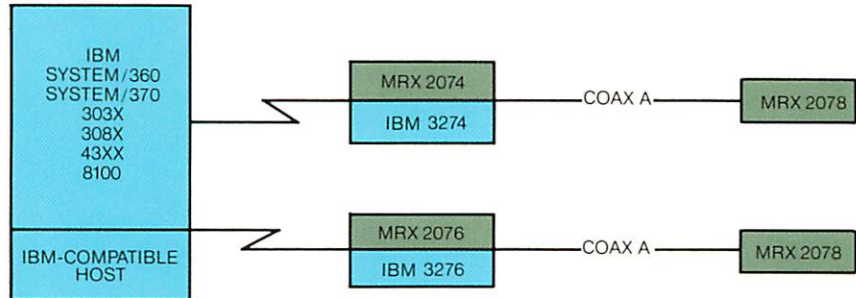
**Memorex 2078 Display Stations are compact, easy to install, and available in green or amber screen with low profile or ergonomic keyboards.**

## Plug Compatible With Your Present System

The Memorex 2078 Display Stations are IBM plug compatible display stations, and will operate in SNA/SDLC or binary synchronous environments.

Using a standard Category A interface, the 2078 attaches to a Memorex 2074, Memorex 2076, IBM 3274 or IBM 3276 Cluster Controller. Data can then be transmitted to and from IBM System/360, System/370, 303X, 308X, 43XX or 8100 processors, or an IBM-compatible host.

## 2078 Compatibility Chart



**Memorex 2078 Display Stations are IBM plug compatible and will function in SNA/SDLC or BSC environments.**

## Reduces Your Energy Costs

The 2078 uses less energy and generates less heat than its competitors — resulting in lower energy bills and longer component life.

The 2078's automatic dimming feature also extends component life by causing the screen to go blank (except for the Operator Information Line) when there is no activity from the keyboard for approximately 20 minutes. All your information instantly restores when any key is touched or when an incoming message is received from the CPU.



**An optional 10-foot keyboard cable allows you to place the monitor on a shelf, bookcase, or anywhere that's convenient.**

## Easy to Install, Comfortable to Use

The 2078 Display Station is compact, lightweight and easy to install or relocate. All cable connections are conveniently accessible from the rear of the monitor. The monitor tilts and swivels so you don't have to. The large, 15 inch diagonal screen is recessed, and non-glare to reduce eyestrain.

All moldings and keys are non-reflective. And, you can choose from green or amber phosphor displays. Both provide characters that are crisp, clear and in focus from the moment you power on the display.



**The 2078's monitor tilts and swivels to your most comfortable viewing position, and it can be easily removed from its stand to save space.**



## Standard Features Your Operators Want Most

- Choice of cursor — Block or underscore, blinking or non-blinking, selectable from the keyboard.
- Choice of keyboard styles — Low profile or ergonomic keyboard designs, both offering click or non-click keys (activated at operator's discretion); typamatic keys that repeat when held depressed; and program function and program access keys.



- Concealed controls — Located inside an access panel on the front of the monitor, within easy reach, but secure from inadvertent changes.
- N-key Rollover — Allows characters to be typed in faster than they appear on the screen.
- Non-Display Mode — Allows blanking-out selected fields of data under program control.
- Cursor Select — A built-in alternative to the selector light pen.



- Operator Information Line — Displays system status information, error codes, cursor position and line and column indicator at the bottom of the screen.



**In addition to the features listed here, all four models of the Memorex 2078 can have personal computing capabilities added by simply connecting a Memorex 2200 Attached Processor.**

- Keyboard Numeric Lock — Prevents you from entering non-numeric data when you are in a numeric-only field.
- Audible Alarm — An adjustable volume audible alarm that sounds under program control or when a character is entered in the next to the last position on the screen.

## Optional Features

- Extended Character Set (ECS) — Calls special attention to selected characters or fields of data such as words, numerals, columns or paragraphs. It uses reverse video, blinking and/or underscore to help you instantly distinguish between different sources, fields, and types of data, as well as identify error or exception conditions. This option is required for APL/Text and Programmed Symbols options.
- APL/Text — Enables the 2078 to display the 222-character APL/Text character set and to support computers running APL software. Available on 2078 Models 82, 83 and 84, this feature operates in EBCDIC mode and requires

an appropriate APL or text keyboard layout, specific controller support, and the ECS option described above.

- Programmed Symbols — Makes graphics capability possible on Models 83 and 84. The Programmed Symbols Option allows you to access up to six 190-symbol sets whose shapes and codes are user defined. Symbol sets are loaded under program control, and accessed for display through programming or from the keyboard. Requires the ECS option described above.



- Mark Unprotected Field Indicator — Displays a dot in each position of an unprotected field so you can accurately identify the field size. Dots are transparent to the CPU and are replaced by characters as data is entered.
- Security Keylock — Prevents others from editing or displaying your data when the key is in the "off" position.
- Selector Light Pen — A hand-held, wand-like pen which enables you to input selected fields of data to the computer, as defined by your application program.
- Alternate Coaxial Switch — Allows shifting of the control of the Display Station between two controllers.



# The Memorex 2078 Display Station Specifications

## Display Format

- Model 82 — 1920 characters (24 eighty-character lines)
- Model 83 — 2560 characters (32 eighty-character lines)
- Model 84 — 3440 characters (43 eighty-character lines)
- Model 85 — 3564 characters (27 one hundred thirty-two-character lines)

## Display Size

- 8 in. (20 cm) high, 10 in. (25 cm) wide  $\pm$ .10 in. (.25 cm)

## CRT Size

- 15 in. (38 cm) diagonal

## Character Type

Characters are displayed within the following dot matrices:

- Model 82 — 9x16
- Model 83 — 9x16
- Model 84 — 9x12
- Model 85 — 9x12

The Programmed Symbols option, available on Models 83 and 84, can use the entire character matrix for symbol definition.

## Character Set

EBCDIC and ASCII sets consist of all 26 letters of the alphabet in both upper and lower case, numbers from zero through nine and 29 special characters. APL/Text, and Programmed Symbols operate in EBCDIC mode only and are not compatible with ASCII.

APL/Text consists of a 222-character set including 94 EBCDIC, 81 APL unique, 37 text unique and 10 graphic plot characters.

Programmed Symbols consist of up to six 190-symbol sets as defined by user under program control.

## Keyboards — Low Profile or Ergonomic Design

- 75-Key EBCDIC Typewriter
- 75-Key ASCII Typewriter
- 75-Key EBCDIC Data Entry
- 87-Key EBCDIC Typewriter
- 87-Key EBCDIC Typewriter — 10-Key Numeric Pad
- 75-Key or 87-Key EBCDIC or ASCII Typewriter — Modified PF Functions and Alternate Key
- 87-Key EBCDIC Typewriter — IBM RPK 8K0808 Compatible
- 87-Key ASCII Typewriter
- 87-Key EBCDIC Typewriter/APL
- 87-Key EBCDIC Typewriter/Text
- 87-Key EBCDIC Attribute Select Typewriter
- 87-Key EBCDIC Attribute Select Typewriter/APL
- 87-Key EBCDIC Typewriter Overlay

## System Interface

All four 2078 models will attach to all models of Memorex 2074, Memorex 2076, IBM 3274 and IBM 3276 Cluster Controllers.

Extended Character Set, Programmed Symbols, and APL/Text are supported on all Memorex 2074 Cluster Controller models and on all IBM 3274 Cluster Controllers with at least Configuration Support C Software.

APL/Text is also supported on an IBM 3276 with an APL/Text control feature and its prerequisite Extended Function Base feature.

## Physical Characteristics

### Monitor

- Depth: 15 in. (37 cm)
- Weight: 17 in. (44 cm)
- Height: 19 in. (48 cm)
- Weight: 46 lb (21 kg)  $\pm$ .5 lb. (.23 kg) w/stand

### Keyboard

Low Profile —

- Depth: 9 in. (23 cm)
- Width: 20 in. (57 cm)
- Height: 2.8 in. (7 cm)
- Weight: 8 lbs (3.6 kg)

Ergonomic —

- Depth: 6.9 in. (17.5 cm)
- Width: 19.2 in. (48.8 cm)
- Height: 1.5 in. (3.9 cm)
- Weight: 4.5 lbs (2 kg)

### Cabinet

- White textured finish with black accents.

### Power

- 117 VAC, 60 Hz, single phase, .065 kVA
- 230 VAC, 50 Hz

### Ambient Temperature

- 50-110°F (10° to 43°C)

### Ambient Relative Humidity

- 10-90%

Specifications subject to change.

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