2079

MEMOREX

Color Display Stations

The Memorex 2079 Color Display Stations

Helps You Identify and Understand Information

With a Memorex® 2079 Color Display Station, you can organize, emphasize, link, format, warn, highlight, and attract attention to information in a way not possible on a monochrome screen.

Seven color capability is standard with the 2079. The four basic colors — red, green, blue and white — are automatically accessed if your host computer supports the 3270 field formatting features of protected, nonprotected, intensified and normal intensity. The 2079 also provides three extended colors — pink, turquoise, and yellow — but your program and controller must support seven colors to access them.

All colors on the 2079 are crisp, clean and in focus from the moment the Display Station is powered on. And there is no need for convergence routines, because all 2079s are preconverged during manufacture.

2079 Display Stations are all preconverged, eliminating the need to perform time-consuming convergence routines.

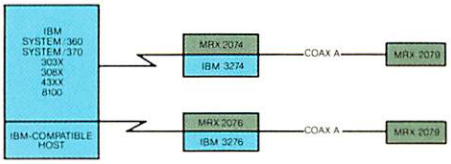
The Memorex 2079 also provides extended highlighting at no extra charge. This feature calls special attention to selected characters or fields of data. It uses reverse video, blinking and/or underscore to help you instantly distinguish between different sources, fields and types of data, as well as identify error or exception conditions.

What's more, Memorex 2079 Display Stations offer a graphics option, which can dramatically increase productivity and speed decision making.

- Graphics enable you to absorb information three times faster,
- Graphics convey ideas and alternatives more rapidly than raw or tabular data,
- And graphics summarize data in a form people can clearly understand.

In other words, the graphics option on a 2079 allows you to spend less time trying to comprehend information, and more time making decisions.

2079 Compatibility



Fits Your Present System

The Memorex 2079 Color Display Stations are functionally interchangeable with all models of the IBM 3279, and will operate in SNA/SDLC or BSC environments.

Using a standard Category A interface, the 2079 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, and most IBM-compatible hosts.

The 2079's monitor adjusts to your most comfortable viewing position, and can be easily removed from its stand to save space.

Easy to Install, Comfortable to Use

The 2079 Display Station is compact, lightweight and easy to install or relocate. The monitor tilts and swivels so you don't have to. The screen is recessed, non-glare, and fingerprint resistant to reduce eyestrain. And all moldings and keys are nonreflective.

Helps You Prevent Errors

The keyboard numeric lock feature prevents you from entering non-numeric data when you are in a numeric-only field. The adjustable volume audible alarm sounds under program control or when a character is entered in the next to last position on the screen. Other error-preventing standard features include:

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

- Concealed Controls — Located inside an access panel on the front of the monitor, within easy reach, but secure from inadvertent changes.

Reduces Your Energy Costs

The 2079 uses less energy and generates less heat than its competitors — resulting in lower energy bills and longer component life.

The 2079'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 about 20 minutes. All your information instantly restores when any key is touched or when an incoming message is received from the CPU.

Has Standard Features Your Operators Want Most

- 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.
- Choice of cursor — Block or underscore, blinking or non-blinking, selectable from the keyboard.
- 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.
- APL/Text — Enables the 2079 to display the 222-character APL/Text character set and support computers running APL software. This feature operates in EBCDIC mode and, although a standard feature of the 2079, it requires an appropriate APL keyboard layout and specific controller support.

Available in Two Models

- Model S2B — has a 1920-character screen; extended (seven) color capability; and all other standard features mentioned previously, including extended highlighting and APL/Text. Available with low profile or ergonomic keyboard in all layouts.
- Model S3B — Identical to the Model S2B, except that it has a 2560-character screen.

Optional Features

- Programmed Symbols — Makes graphics capability possible on the 2079.
- Alternate Coaxial Switch — Allows shifting of the control of the Display Station between two controllers.
- Security Keylock — Prevents others from modifying or displaying your data when the key is in the "off" position.
- Extended Keyboard Cable — Lets you position the monitor up to 10 feet away from its keyboard.
- Selector Light Pen — A hand-held, wand-like pen which enables you to input selected fields of data to the computer without keystrokes, as defined by your application program.
- Inhibit Keyboard Numeric Lock — Disables the keyboard numeric lock feature.

2079 Color Display Station Specifications

Display Format
- Model S2B
  1920 characters (24 eighty-character lines)
- Model S3B
  2560 characters (32 eighty-character lines)

Display Size
- 8 in. (20 cm) high
- 10 in. (25 cm) wide
- ±.10 in. (.25 cm)

Color Capability
- Base colors:
  Red, green, blue, white
- Extended colors:
  Turquoise, pink, yellow

CRT Size
- 14 in. (35.5 cm) diagonal

Character Type
- Characters are displayed within a 9x12 dot matrix.
- Programmed symbols can use the whole 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 32 special characters.
- APL/Text consists of a 222-character set including 94 EBCDIC, 81 APL unique, 37 text unique and 10 graphic plot characters. EBCDIC compatible only.
- Programmed Symbols consist of up to six 190-symbol sets as defined by user under program control. EBCDIC compatible only.

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 (Limited alternate function keyboard)
- 87-Key EBCDIC Typewriter — IBM RPQ 8K0808 Compatible
- 87-Key ASCII Typewriter
- 87-Key EBCDIC Typewriter/APL
- 87-Key EBCDIC Attribute Select Typewriter
- 87-Key EBCDIC Attribute Select Typewriter/APL
- 87-Key EBCDIC Typewriter Overlay

System Interface
- For base color mode, both 2079 models attach to all models of Memorex 2074, Memorex 2076, IBM 3274 and IBM 3276 Cluster Controllers.
- Extended Color, Extended Highlighting 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: 20 in. (51 cm)
- Width: 17.3 in. (44 cm)
- Height: 19.6 in. (50 cm)
- Weight: 47 lb (21 kg) ±.5 lb (.23 kg) w/ stand

Keyboard
- Low Profile —
  — Depth: 9 in. (23 cm)
  — Width: 20 in. (51 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
- 105 to 135 VAC, 50/60 Hz, single phase, .180kVA
- 215 to 250 VAC, 50 Hz

Ambient Temperature
- 50-104°F

Ambient Relative Humidity
- 10-90%

Specifications subject to change.

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