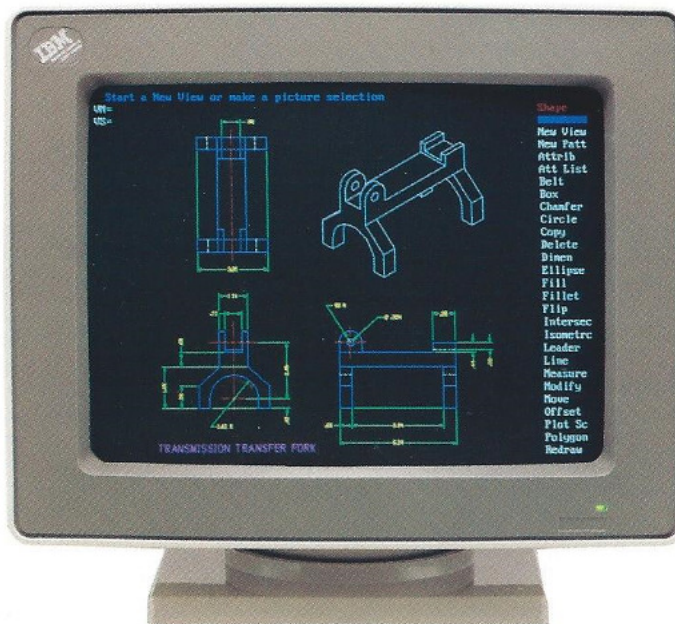


*The next generation
in personal computing*

IBM Personal System/2 Color Display 8514



High addressability and larger screen size for greater screen content

Turn your powerful IBM Personal System/2™ into an advanced text and graphics workstation with the IBM Personal System/2 Color Display 8514. It's the suggested display for viewing complex graphics and images and for improving productivity on general business applications.

Advanced technology for a superior picture. The 8514 Display has the highest addressability of the three color displays in the IBM Personal System/2 line.

Designed for the entire family of IBM Personal System/2 computers, it represents an entirely new level of color display excellence based on analog technology.

And it offers more colors than ever before—over 256,000 with almost unlimited shading—of which up to 256 can be displayed at one time.

That means you'll be able to use it to lay out a printed wiring board and highlight all the pin connectors in different colors according to their functions, for example. Or visualize the stress loading of the structural components of a bridge by adding a range of color to each critical load point.

Quality and compatibility. With the 8514 Display, you'll get highest-quality text and graphics on an extra-large screen. Even in complex applications like digital imaging and engineering calculations, the picture is higher in definition and easier to understand than ever before. The display itself is so sophisticated, in fact, that it will support the advanced software applications of tomorrow.

Larger screen for detailed graphics. The display's large, black matrix, 16-inch¹ screen can hold up to 51 rows of text at a time. It enhances the contrast and brilliance of two- and three-dimensional graphics such as perspectives, rotations and distance projections.

IBM

Highlights

The 8514 Display gives you large-display performance and a full range of high-addressability features:

Analog technology provides an almost unlimited selection of colors for graphics.

Screen refresh rates reduce annoying screen "flicker."

0.31mm dot pitch produces high color definition.

Maximum addressability of 1,024 x 768²—more than any IBM Personal System/2 display—allows you to create graphics with unprecedented definition and clarity.

Phosphors and screen refresh rates combine to reduce "ghosts" and "smearing." Previously displayed text and graphics disappear quickly when you change screen content.

Up to 256 brilliant colors can be displayed at one time from a palette of over 256,000 colors.

Additional addressability supports software written for Color Graphics Monitor Adapter (CGA) and Enhanced Graphics Adapter (EGA) modes.

External contrast and brightness controls let you vary screen intensity.

Standard tilt-and-swivel base allows you to adjust the display to the most comfortable viewing position.

Etched glass screen cuts glare from surrounding light sources—important in reducing fatigue and eyestrain.

What you get

The IBM Personal System/2 Color Display 8514 is packaged in one carton that also contains:

- Setup sheet
- Power cable
- Signal cable
- Tilt-and-swivel base

Options

The 8514 Display is supported by two optional adapter cards:

- **IBM Personal System/2 Display Adapter** raises the addressability of the IBM Personal System/2 Model 30 in text mode (character box from 8 x 16 to 9 x 16) and provides more colors (up to 16 in the 640 x 480 graphics mode) on the screen at one time. In addition, this adapter enables the IBM Personal System/2 Color Display 8514 to be used with IBM Personal Computers.
- **IBM Personal System/2 Display Adapter 8514/A** increases the functions and addressability of IBM Personal System/2 Models 50, 60 and 80 to a maximum of 1,024 x 768. When combined with its optional memory expansion kit, it increases the number of colors that can be displayed simultaneously from 16 to 256 (in 1,024 x 768 and 640 x 480 graphics modes).

Additional functions include programmable character fonts and line types, proportional spacing, hardware line draw, and patterned and multiple-shade area fill.

Warranty/Service

Every IBM product is built to meet high standards of quality and reliability. So you can count on the 8514 Display to perform smoothly year after year.

The 8514 Display is backed by a one-year limited warranty. And extended service terms are available from IBM and from IBM Authorized Remarketers.

With an IBM Maintenance Agreement, you can arrange for on-site service.

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¹ *Diagonal measurement.*

² *When used with IBM Personal System/2 Models 50, 60 and 80 with an IBM Personal System/2 Display Adapter 8514/A.*

IBM Personal System/2 Color Display 8514 at a glance

Description	A high-addressability, 16-inch ¹ analog color display with outstanding graphics capabilities. The display offers thousands of colors and uses high screen refresh rates to produce a steady picture
Addressability	12 x 20-dot and 7 x 15-dot character matrix; 1,024 x 768 dot matrix (for text and graphics)
Viewing area	Up to 51 ² lines of uppercase and lowercase text; 146 ² characters per line; approximately 11.1" W x 8.3" H (283mm x 212mm)
Screen	16" (diagonal measurement); dark background for high contrast; antireflective coating
Colors	256 colors from a palette of over 256,000
Dimensions	Footprint: 15.7" x 16.3" (400mm x 415mm) Height: 14.2" (360mm) with stand
Weight	approx. 42 lbs. (19 kg)
Other features	Brightness, contrast and on/off controls
Supported systems	All IBM Personal System/2 models; the following IBM Personal Computers through the use of an optional adapter: IBM Personal Computer AT [®] system, IBM Personal Computer XT [™] system, IBM Personal Computer XT Model 286, and IBM Personal Computer



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International Business Machines Corporation
Information Systems Group
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900 King Street
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4-87
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G580-0806-00

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G580-0806-00

