IBM

Fact Sheet

Displays

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IBM Personal System/2™ Monochrome Display Model 8503

o **Description:** A medium addressability, 12-inch (diagonal measurement) analog monochrome display with exceptional text readability and graphics clarity. Featuring up to 64 shades of gray when attached to any model of the IBM Personal System/2 or models of IBM Personal Computers using the IBM Personal System/2 Display Adapter. It uses high screen refresh rates to display a steady picture.

o **Addressability:** 9 x 16-dot character matrix (maximum); 720 x 400-dot matrix (text mode); 640 x 480 dot matrix (graphics mode).

o **Viewing area:** Up to 25 lines of uppercase and lowercase text; 80 characters per line; approximately 8.38 inches wide x 6.13 inches high (212mm x 155mm).

o **Screen:** 12-inch (diagonal measurement); etched to reduce glare.

o **Color:** White and intensified white characters against a black background or black characters against a white background.

o **Dimensions:** Footprint: 12.63 inches x 12.25 inches (321mm x 311mm) Height: 12.3 inches (312mm); with stand.

o **Weight:** Approximately 18.8 lbs (8.5 kg).

o **Other features:** Character highlighting that includes boldface, reverse image, underlining and blinking; brightness, contrast and on/off controls.

o **Supported systems:** All IBM Personal System/2 models; the following IBM Personal Computers through the use of an optional adapter: IBM Personal Computer AT (R) system, IBM Personal Computer XT (TM) system, IBM Personal Computer XT Model 286, and IBM Personal Computer.

IBM Personal System/2 Color Display 8512

o Description: A medium addressability, 14-inch (diagonal measurement) stripe-pitch analog color display that offers thousands of colors. It uses high screen refresh rates to produce a steady picture.

o Addressability: 9 x 16-dot character matrix (maximum); 720 x 400-dot matrix (text mode); 640 x 480-dot matrix (graphics mode).

o Viewing area: Up to 25 lines of uppercase and lowercase text; 80 characters per line; approximately 9.44 inches wide x 7.13 inches high (240mm x 180mm).

o Screen: 14-inch (diagonal measurement); etched to reduce glare.

o Color: 256 colors from a palette of more than 256,000.

o Dimensions: Footprint: 14 inches x 15.5 inches (355mm x 394mm); Height: 14.6 inches (370mm) with optional stand; 12 inches (304mm) without stand.

o Weight: Approximately 33 lbs (15 kg).

o Other features: Brightness, contrast and on/off controls.

o Supported systems: All IBM Personal System/2 models; the following IBM Personal Computers through the use of the optional IBM Personal System/2 Display Adapter: IBM Personal Computer AT system, IBM Personal Computer XT system, IBM Personal Computer XT Model 286, and IBM Personal Computer.

IBM Personal System/2 Color Display 8513

o   Description: A medium addressability 12-inch (diagonal
                       measurement) analog color display that
                       produces enhanced-quality text and graphics.
                       Featuring a selection of thousands of colors,
                       it uses high screen refresh rates to display
                       a steady picture.

o   Addressability: 9 x 16-dot character matrix (maximum); 720 x
                       400-dot matrix (text mode); 640 x 480-dot
                       matrix (graphics mode).

o   Viewing area: Up to 25 lines of uppercase and lowercase
                       text; 80 characters per line; approximately
                       8.38 inches wide x 6.93 inches high
                       (212mm x 155mm) (graphics mode); 8.38 inches
                       wide x 5.88 inches high (212mm x 150mm)
                       (text mode).

o   Screen: 12-inch (diagonal measurement); etched to
                       reduce glare.

o   Color: 256 colors from a palette of more than
                       256,000.

o   Dimensions: Footprint: 12.63 inches x 12.25 inches
                       (321mm x 311mm); Height: 12.3 inches (312mm)
                       with stand.

o   Weight: Approximately 23 lbs (10.5 kg).

o   Other features: Brightness, contrast and on/off controls.

o   Supported   All IBM Personal System/2 models; the
    systems: 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.

IBM Personal System/2 Color Display 8514

o Description: A high addressability 16-inch (diagonal
                       measurement) analog color display with
                       outstanding graphics capabilities. The
                       display offers thousands of colors and uses
                       high screen refresh rates to produce a
                       steady picture.

o Addressability: 12 x 20-dot and 7 x 15-dot character matrix;
                       1,024 x 768-dot matrix (for text and
                       graphics).

o Viewing area: Up to 51 lines of uppercase and lowercase
                       text; 146 characters per line (when used with
                       IBM Personal System/2 Models 50, 60 and 80
                       with an IBM Personal System/2 Display Adapter
                       8514/A); approximately 11.1 inches wide x 8.3
                       inches high (238mm x 212mm).

o Screen: 16-inch (diagonal measurement); dark
                       background for high contrast; anti-reflective
                       coating.

o Color: 256 colors from a palette of more than
                       256,000.

o Dimensions: Footprint: 15.7 inches x 16.3 inches
                       (400mm x 415mm); Height: 14.2 inches (360mm)
                       with stand.

o Weight: Approximately 42 lbs (19 kg).

o Other features: Brightness, contrast and on/off controls.

o 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.

IBM's Personal System/2 Display Models 8503, 8512, 8513, and 8514 are supported by two optional expansion cards:

IBM PERSONAL SYSTEM/2 DISPLAY ADAPTER

This 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 8512 to be used with IBM Personal Computers.

IBM PERSONAL SYSTEM/2 DISPLAY ADAPTER 8514/A

This adapter increases the functions on an IBM Personal System/2 Model 50, 60, or 80. When combined with its optional memory expansion kit, it offers a palette of more than 256,000 colors, with 256 on-screen at a time, and enhances performance in the 640 x 480 graphics mode. Additional functions include programmable character fonts and line types, proportional spacing, hardware line draw, and patterned and multiple-shade area fill. Also, this adapter card, when combined with its optional memory expansion kit and used with the IBM Personal System/2 Monochrome Display 8503, offers the capability of displaying up to 64 shades of gray at one time.

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