WY-700

High-Resolution Monochrome Display Subsystem

The WY-700 is a complete display subsystem featuring high-resolution graphics, a 15" monochrome screen, and full IBM-PC hardware/software compatibility for an elegant one-monitor solution. The WY-700 comes complete with controller board, monochrome monitor, interface cables, and utility software.

High graphics resolution is provided through a bit-mapped display of 1280 (horizontal) by 800 (vertical) pixels. This allows software packages to create detailed representations of line drawings, direct image graphics, or custom-generated characters. In addition, high-resolution character modes are also available to provide up to 160 columns by 50 rows of very crisp and readable text.

Featuring a desktop-sized 15-inch monitor, the WY-700 offers advanced ergonomics in a stylish cabinet for maximum comfort and ease of use. The paper-white phosphor is guarded by a dark glass screen to maximize contrast and minimize glare. Tilt and swivel adjustments also make it easy to orient the display.

Widespread Application Software Support

Wyse's Third-Party Program works closely with the most popular software vendors to provide support for our high-resolution modes. Applications such as Desktop Publishing, Business Data/Graphics, and CAD/drafting receive enormous benefits from the increased resolution offered by the WY-700.

Desktop Publishing applications require high-resolution capability to provide an effective WYSIWYG (What You See Is What You Get) capability. Supported software packages includes Xerox's Ventura Publisher, Aldus' PageMaker/PC, and many others.

Business Data/Graphics applications also take advantage of high-resolution character modes. Supported software includes Lotus' 1-2-3 and Symphony, PC-Paintbrush, Microsoft Windows, and many others.

CAD/drafting applications, such as 2-dimensional drafting, electronic schematic capture, and architectural design, provide splendid examples of fine line drawings. Supported software includes Autocad, VersaCAD, Generic CADD and many others.

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Full Compatibility and More

Complete hardware-based emulation of IBM's CGA and MDA text/graphics modes provide a fast, accurate display of virtually all standard software available for the PC. Display modes are switched automatically for versatility and ease of use. This means that for PC operations such as DOS commands, word-processing, etc., the WY-700 functions identically to a standard IBM display.

Another benefit of the WY-700's increased resolution is greater clarity of MDA or CGA characters. Text modes for the MDA or CGA normally display characters on the screen using an 8x8 pixel matrix to form each character cell. Using a 16x32-pixel matrix to form each individual character, the WY-700 is able to provide smoother, more refined looking display of standard resolution text. In addition, colors displayed for the CGA mode are mapped into four equivalent shades of grey.

Product Specifications

Hardware Compatibility

The WY-700 is compatible with the following microcomputers:
- WYSEpc 286 and WYSEpc 386 family of computers
- WYSEpc+
- IBM PC/XT/AT and compatibles

Operating Modes

Alphanumeric

Character Sets:
  Hardware generated
  Two sets of 256 characters each

Mode Switching:
  Via software

Modes

IBM monochrome:
  80 columns, 25 lines
IBM color:
  80 columns, 25 lines
  40 columns, 25 lines
Wyse:
  80 columns, 50 lines
  160 columns, 25 lines
  160 columns, 50 lines

Format

Character Cell	Screen
16 x 32 pixels	80 columns x 25 lines
32 x 32 pixels	40 columns x 25 lines

Graphics

Type: Bit mapped
Mode Switching: Automatic
Modes:
IBM color
  320 x 200 (4 x 4 pixels per graphic dot)
  640 x 200 (2 x 4 pixels per graphic dot)
Wyse high-resolution
  640 x 400 (2 x 2 pixels per graphic dot)
  1280 x 400 (1 x 2 pixels per graphic dot)
  1280 x 800 (1 pixel per graphic dot)

Screen Attributes:
Blink, reverse, underline, normal, high and low intensity

Monitor

Dimensions
  Width: 365mm (14.37 in)
  Height: 345mm (13.58 in)
  Depth: 302mm (11.89 in.)
  Net Weight: 11.3 kg (24.9 lb)
  Shipping weight: 12.7 kg (27.9 lb)

Adjustments
  Tilt +25 to −5 degrees
  Swivel ±125 degrees

Active Display
  Horizontal: 256mm (10.1 in)
  Vertical: 192mm (7.6 in)

Operating Frequency
  Horizontal Scan Rate: 32 kHz
  Vertical Refresh Rate: 76 Hz (interlaced)
  Video Dot Rate: 50 MHz

CRT
  Diagonal Size: 15 in
  Glass: Dark nonglare
  Phosphor: White P171

Board

Type: full size, single slot
Memory: 128K dynamic RAM
Connector: 9-pin industry standard
Character Generator: Two full character sets (256 characters/set)

Cables

6-foot power cord
Video cable

Environmental

Operating: 10° to 35° C
Nonoperating: −30° to 60° C
Humidity: 20% to 80% (noncondensing)
Altitude:
Operating: Sea level to 10,000 ft
Nonoperating: Sea level to 40,000 ft

Power

110 VAC, 60 Hz
Optional: 220 VAC, 50 Hz
Consumption: 50 watts
Fuse: 2.0 amp, fast blow

Regulatory Approvals

FCC Class A, UL, CSA

Options

WY-1400-30 Pedestal Base

Customer Service

The Wyse Customer Service Department offers a wide array of service products and programs. For more information, or for a Wyse Service Center nearest you, call toll free 1-800-626-3160.

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**For more information, call
800-GET-WYSE.**

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