**WY-160ES**

**High Performance General Purpose Terminal**

As the premium Wyse monochrome terminal, the WY-160ES delivers advanced capabilities, multiple personalities, and low emissions unmatched by any other general purpose terminals.

- **ASCII/ANSI/PCTerm/PCGraphics personalities**
- Dual host support with independently configurable sessions
- 76 Hz refresh rate with overscan
- High-resolution 10 x 20 character cell
- One parallel port and two serial ports, up to 115.2 Kbaud
- Multiple display formats
- Exceeds the most stringent ergonomic and safety standards in the world

**Higher Performance, Expanded Functionality**

The WY-160ES supports the widest array of ASCII/ANSI/PC personalities. Several graphics modes are also supported, including Tektronix 4010/4014 protocol, and four PC graphics modes ranging up to VGA resolution. The WY-160ES installs easily in a variety of environments, through standard parallel and serial ports. The main serial port races at 115.2 Kbaud, faster than any other general purpose terminal.

The WY-160ES can run two distinct terminal sessions (even from different host computers), and it's easy to switch or configure sessions via the keyboard. Other advanced features include any of four character resolutions, ASCII and ANSI programmable soft fonts, screen memory up to 8 pages, and multiple display formats.

**Style and Ergonomics**

Full-screen overscan and a fast 76 Hz refresh rate mean comfortable, flicker-free viewing. The well-defined, high-resolution 10 x 20 character cell virtually eliminates eyestrain. Plus, power, contrast, and brightness controls are next to the front bezel for easy adjustment.

**The Emissions Standard**

For those who want low emissions, the WY-160ES is the terminal of choice. It conforms to guidelines for electrostatic, very low- and extremely low-frequency electromagnetic emissions recommended in the Swedish MPR 1990:10 publication (MPR II). In fact, the WY-160ES also meets the most stringent regulatory requirements worldwide.

**Wyse Has It All**

The WY-160ES continues the Wyse tradition of terminals that adhere to industry standards without compromising features, style, or price. It's one more reason Wyse is the world’s leading supplier of general purpose terminals.

**ERGONOMICS**

- Colors: Paper-white, (P-192) phosphor
- Monitor: 14-inch diagonal, flat, non-glare CRT, with electrostatic field reduction
- Video: Borderless overscan, 9.65 x 7.25 in (245 x 185 mm) full-screen image
- Refresh: Flicker-free 76 Hz or 60 Hz; non-interlaced
- Controls: Clustered brightness, contrast, and power controls adjacent to front bezel
- Adjustments: Tilt and swivel

**TECHNOLOGY**

- Processor: 15 MHz 8032 microcontroller
- Memory: Up to 8 pages

**ALPHANUMERIC FEATURES**

- Personalities
  - Wyse WY-160, WY-50, WY-50+; ADDS Viewpoint A2; Data General D200, D210/214, D211/215; TeleVideo TVI 910+, 925, 950, 955; DEC VT220 (VT320 ID & ISO Latin-1 character set supported), VT100, VT52; PCTerm character set supported
- COMMUNICATIONS
  - Modes: Full/half duplex, block, local, monitor (debug)
  - Main: Serial 1: RS-423 female DB-25 connector up to 115.2 Kbaud
  - Printer: (User Selectable) Serial 2: RS-423 male DB-9 connector up to 38.4 Kbaud
  - Centronics parallel: Female DB-25 connector

**ADDITIONAL FEATURES**

- Variable speed smooth/ jump scroll
- Status line, key click, and screen saver
- Independently configurable session support
- Function keys, soft fonts, scrolling region, and split screen

**PHYSICAL**

- Terminal
  - Height: 12.5 in (318 mm)
  - Width: 13.4 in (340 mm)
  - Depth: 12.2 in (309 mm)
Character
80 columns: 10 x 20, 10 x 16, or 10 x 13 cell; 132 columns: 9 x 20, 9 x 16, or 9 x 10 cell
Formats: 27 lines or 44 lines; 80 or 132 columns
Attributes: All combinations of reverse, underline, and blink; choice of double-high and/or double-wide per line
Intensities: Normal, dim, bold, blank (invisible)
Cursor: Block or underline; blink, steady, or off

GRAPHICS FEATURES
Formats: Tektronix 4010/4014 (640 x 477)
PC Graphic Formats: Hercules (720 x 348), CGA (640 x 400), EGA (640 x 350), VGA (640 x 480)
Supports Microsoft mouse

KEYBOARD
Design: Low-profile with two-position tilt; Detached with 5-foot (1.5-meter) coiled cable
Customization: User-definable function keys; shiftable for total of 40 functions (depending on keyboard selection) and 512 bytes of NVM
Layouts: Choice of Enhanced PC (U.S. 102 keys, International 103 keys), Wyse 105-key ANSI, and Wyse ASCII (101 keys)
Languages: Danish, Dutch, Latin American Spanish, Finnish, Flemish, French/Belgian, French/Canadian, German, Italian, Norwegian, Spanish, Swedish, Swiss German/French, U.K.
English, and U.S. English

Terminal and Keyboard
Footprint: Less than 9.5 x 9.5 in (241 mm x 241 mm)
Shipping Weight: 25 lb. (11.3 kg)
ENVIRONMENTAL Temperature Range
Powered on: 50°F to 104°F (10°C to 40°C)
Powered off: -14°F to 140°F (-10°C to 60°C)
Humidity
20% to 80% non-condensing
Altitude Operating Range
0 to 10,000 feet (0 to 3,048 meters)

POWER
Auto-sensing, 90 to 264 VAC, 47-63 Hz

REGULATORY COMPLIANCE
Ergonomics
Meets the German ZH1/618 standard Safety
UL 1950 and CSA 950 approved
TÜV-GS (including VDE 0806) approved
EN 60950 approved
Meets the MPR 1990:10 guidelines on low electromagnetic and low electrostatic emissions

Radio Frequency Interference
FCC Class A
EN 55022 Class B approved
CE Mark

Power Consumption
EPA Energy Star compliant*

WARRANTY
One year limited warranty

MODEL NUMBER
WY-160ES, white only 900985-06

*The Energy Star emblem does not represent EPA endorsement of any product or service

Note: The keyboard is not included with the terminal and must be ordered separately

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