

Technical Support - Knowledge Base

WY-160e Specifications



WY-160e and WY-160ES Display Terminal As the premium Wyse monochrome terminal, the WY-160 and WY-160ES deliver advanced capabilities, multiple personalities, and low emissions (on the ES model) unmatched by any other general purpose terminals. HIGHER PERFORMANCE, EXPANDED FUNCTIONALITY The WY-160 and WY-160ES exceed all expectations: redefining the full-featured terminal. They support 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-160 and WY-160 ES install 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-160 and WY-160 ES 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. WYSE 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. Power, contrast, and brightness controls are next to the front bezel for easy adjustment. An optional height-adjustable arm offers the ideal viewing angle while freeing desk space. THE EMISSIONS STANDARD For those who want low emissions, the WY-160 ES 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-160 ES also meets the most stringent regulatory requirements worldwide. WYSE HAS IT ALL The WY-160 and WY-160 ES continue 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.

DETAILED SPECIFICATIONS

• Technology

CPU:
15 MHz 8032 microcontroller
MEMORY:
40KB high-speed static CMOS RAM (includes 8K lithium battery-backed RAM)
VIDEO:
Up to 8 pages of screen memory.
VIDEO PROCESSOR:
Surface-mounted, Wyse-designed application-specific integrated circuit (ASIC)

• Power

INPUT:
120 VAC (North America) 220 VAC (International)
(-ES) Voltage Autosensing
RANGE:
120 VAC $\pm 10\%$, 60 Hz $\pm 10\%$ (North America)
220 VAC $\pm 10\%$, 50 Hz $\pm 10\%$ (International)
90 to 264 VAC, 47-63 Hz (-ES Model)
INRUSH:
not given
CONSUMPTION:
45 Watts
FUSE:
2A, 250V

• Display Features

MONITOR SIZE:
14 inch diagonal, flat, non-glare CRT
IMAGE SIZE:
Borderless, 24.5cm x 18.5cm
COLORS:

P-188(paper white), P-31(green), P-134(amber)
REFRESH:
Flicker-free, 76Hz or standard 50Hz, NI
RESOLUTION:
Up to 1188 x 416 pixels
ADJUSTMENTS:
Tilt & swivel
USER CONTROLS:
Clustered brightness, contrast and power

- *AlphaNumeric Features*

COMPATIBILITY:
WY-160//50/50+, ADDS Viewpoint A2, TeleVideo
TVI-955/950/925/910+, DEC VT220, DEC VT100,
DEC VT52, PC terminal, Data General DG-200/210/
214/D211/215, Tektronix 4010/4014, PC graphics,
Alloy PCST/G compatible, CGA, EGA, VGA,
Hercules formats
SCREEN:
27 lines x 80 or 132 columns
45 lines x 80 or 132 columns
Variable speed smooth/jump scroll, status line,
key click, and screen saver
CURSOR:
Block or underline, blink, steady or off
FONTS:
Simultaneously program and display 512 unique
characters and symbols
CHARACTER CELLS:
80 columns: 10x16 or 10x13 cells
132 columns: 9x16 or 9x13 cells
ATTRIBUTES:
Normal, dim, bold, blank, all combinations of
reverse, underline and blink; choice of double
high and/or double wide per line

- *Keyboard*

DESIGN:
Low profile with two position tilt, detached with
1.5m (5 feet) coiled cable
CUSTOMIZATION:
User-definable editing and function keys, up to
66 key combinations (with SHIFT and SELECT),
approximately 600 bytes of non-volatile memory
LAYOUT:
Choice of International Enhanced PC (103 keys),
Wyse ASCII (101 keys), Wyse ANSI (101 keys),
Wyse ANSI (105 keys) and Enhanced PC (102 keys)
LANGUAGES:
North American Versions support UK English,
French/Canadian, Latin American Spanish (with
Enhanced PC keyboard), International Versions
support UK English, German, Spanish, Latin
American Spanish, Italian, Flemish, Danish,
Dutch, Swedish, Finnish, Norwegian,
French/Canadian, Swiss German/French,
French/Belgian
OPTIONS:
Localization kits

- *Physical Characteristics*

TERMINAL:
Width: 34.0cm (13.4 in) Depth: 31.0cm (12.2 in)
Height: 31.8cm (12.5 in)
FOOTPRINT:
Less than 24cm x 24cm (9.5 in x 9.5 in)
KEYBOARD:
Enhanced PC (103 keys) and Wyse ANSI (105 Keys)
Width: 47.5cm (18.7 in) Depth: 17.5cm (6.9 in)
Height: 5.7cm (2.25 in)
KEYBOARD:
Wyse ASCII (101 keys)
Width: 43.8cm (17.25 in) Depth: 19.3cm (7.6 in)
Height: 5.7cm (2.25 in)
KEYBOARD:
Wyse ANSI (101 keys)
Width: 46.4cm (18.25 in) Depth: 19.3cm (7.6 in)
Height: 5.7cm (2.25 in)
SHIPPING WEIGHT:
Terminal and Keyboard: 11.34 kg (25 Lbs)
BOX:
not given

- *Environmental*

TEMPERATURE(NON-OPERATING):
-10° TO +60° C
TEMPERATURE (OPERATING):
10° to 40° C
HUMIDITY:
20% TO 80% non-condensing
ALTITUDE(NON-OPERATING):
not given

ALTITUDE:
Sea level to 10,000 feet

- *Video Electrical*

REFRESH:
Flicker free 76Hz or standard 60Hz, NI
BRIGHTNESS(MAX):
White 45 +7 -3 fL Green 70 +7 -3 fL
Amber 32 +7 -3 fL Raster 1.0 fL (+0.4-0.2)
LINEARITY:
Horizontal/Vertical 10%
CENTERING:
Horizontal <7.0mm Vertical <6.0mm
PIN CUSHION:
<1.86mm
TILT:
±1.5mm

- *Regulatory*

ERGONOMICS:
SF 1990 VDT Ordinance
TUV-GS (ZH1/618)
SAFETY:
UL1950 and CSA950
ES and Intl: TUV-GS (VDE 0806)
ES and Intl: EN 60950
ES: MPR 1990:10
EMI/RFI:
FCC Class A
VDE 0871 Class B, Radio Protection Mark (-ES)
EN 55022 Class B (-ES)

- *Models/Part Numbers*

MODELS:
WY-160 Green 900985-01
WY-160 Green (Intl) 900985-02
WY-160 White 900985-04
WY-160 White (Intl) 900985-05
WY-160 Amber 900985-07
WY-160 Amber (Intl) 900985-08
WY-160 ES (White) 900985-06
OPTIONS:
height adjustable arm
WARRANTY:
1 year limited warranty within country of
purchase

- *Communications/Ports*

MODES:
Full/half duplex, block, local, monitor (debug)
MAIN (User Selectable):
Serial 1: RS-423/232 DB-25F, up to 115.2 Kbaud
Serial 2: RS-423/232 DB-9M, up to 38.4 Kbaud
PRINTER (User Selectable):
Serial 1: RS-423/232 DB-25F, up to 115.2 Kbaud
Serial 2: RS-423/232 DB-9M, up to 38.4 Kbaud
Centronics parallel: DB-25F