Technical Support - Knowledge Base

WY-120 Specifications

WY-120 and WY-120ES (obs. Replaced with WY-120e) The WY-120 and WY-120ES multi- personality display terminals are designed to work with the widest range of computers and applications, and set an Ergonomic Standard for the industry. Its repertoire of personalities, unparalleled ergonomics, and low emissions make the WY-120 the top model of its class. SURPASSING THE STANDARDS FOR MULTI-PERSONALITY PERFORMANCE Unlike traditional host-specific terminals, the WY-120 and WY-120ES work in a broad spectrum of environ- ments. The WY-50 mode, offering superior compatibility with the most popular ASCII terminal, is only one of its ten operating modes. ASCII, ANSI (such as VT220), and PCTerm personalities handle traditional mini- computer and mainframe environments, as well as super multi-user micros using 386, 486 and 68030 processors. Advanced setup and connectivity features make installation fast and easy, to virtually any computer system. WYSE ERGONOMICS The WY-120 and WY-120ES deliver state-of- the-art integration with three display modes, including positive mode for black characters on a true paper-white back- ground. Wyse uses a high quality, extra fast 78 Hz refresh rate to virtually eliminate screen flicker, then adds borderless full-screen video against a white bezel for further viewing comfort. 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-120 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-120 ES also meets the toughest regulatory requirements worldwide. WYSE HAS IT ALL World-class ergonomics, safety, display integration and a broad range of personalities provide the style and performance Wyse terminals are know for.

DETAILED SPECIFICATIONS

● *Technology*

CPU:
11MHz 8032 microcontroller
MEMORY:
24KB high-speed static CMOS RAM
VIDEO:
Up to 7 pages of screen memory
VIDEO PROCESSOR:

● *Power*

INPUT:
220 VAC
RANGE:
220/240VAC ±10%; 50Hz ±10%
INRUSH:
not given
CONSUMPTION:
45 Watts
FUSE:
2A, 250V

● *Display Features*

MONITOR SIZE:
14 inch diag, flat, non-glare CRT
IMAGE SIZE:
Borderless, 24.5cm x 18.5cm
COLORS:
P-188(paper white), P-31(green), P-13(amber)
REFRESH:
Flicker-free, 78Hz or standard 50Hz; non-
interlaced
RESOLUTION:
Up to 1188 x 416 pixels
ADJUSTMENTS:

Tilt & swivel
USER CONTROLS:
Clustered brightness, contrast and power

● *AlphaNumeric Features*

COMPATIBILITY:
WY-120/50/50+, ADDS Viewpoint A2, TeleVideo
TVI-925/910+ DEC VT220, DEC VT100, DEC VT52;
PC terminal
SCREEN:
26 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)
600 bytes of non-volatile memory
LAYOUT:
Choice of International Enhanced PC (103 keys),
Wyse ASCII (101 keys), Wyse ANSI (101 keys) and
Wyse ANSI (105 keys)
LANGUAGES:
Danish, UK English, French,French/Belgian, French/Canadian,
German, Italian, Latin American Spanish, Norwegian, Spanish,
Swedish, Swiss German/French
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) / 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 78Hz or standard 60Hx; NI
BRIGHTNESS(MAX):
White-45+7-3fL; Green-70+7-3fL; Amber32+7-3fL
Raster-1.0fL(+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 TUV-GS (ZH1/618)
SAFETY:
UL1950 and CSA950; TUV-GS (including VDE 0806)
(Selected models)
EMI/RFI:
FCC Class A; VDE 0871, Class B Radio Protection Mark
(Selected models)
EMISSIONS:
In selected configurations for Scandinavia, the
WY-120 also meets or exceeds these
specifications:
Low-Frequency Magnetic fields
Magnetic Field (B) < 100 uT (0.3m)
Magnetic Pulses (dB/dt) < 25 mT/s (0.3m)
Electrostatic Fields < 500 V/m (0.3m)

- *Models/Part Numbers*

MODELS:
WY-120 Green 900311-02 (obs.)
WY-120 Green (VDE) 900311-03 (obs.)
WY-120 White 900311-05 (obs.)
WY-120 White (VDE) 900311-06 (obs.)
WY-120 Amber 900311-08 (obs.)
WY-120 Amber (VDE) 900311-05 (obs.)
(Models were replaced by the WY-120e)
OPTIONS:
height adjustable arm
WARRANTY:
1 year limited warranty within country of
purchase

- *Communications/Ports*

MODES:
Full/half duplex, block, local, monitor (debug)
MAIN:
RS-232, DB-25F connector; up to 38.4Kbaud
PRINTER:
Choice of ports selectable through set-up; Centronics parallel.
female DB-25 connector; RS-232 Serial, DB-9 connector,
up to 38.4 Kbaud