

## Technical Support - Knowledge Base

### WY-520 Specifications



WY-520 Display Terminal Wyse extends its world-class standard of ergonomics and performance to the DEC market. The WY-520 offers complete VT420 and VT420 PCTerm functionality with an unmatched collection of other ANSI and ASCII personalities and connectivity options. MORE PERSONALITIES AND CONNECTIVITY The WY-520 has the most comprehensive set of ANSI personalities: including DEC PCTerm, VT420, VT320 and the popular WY-85. Additionally, the WY-520 has a WY-60 native mode, a Wyse PCTerm mode and a UNIX Console mode. The WY-520 offers both DB-25 and DEC compatible connectors. ADVANCED VT420 MULTI-SESSIONS The WY-520 can run dual terminal sessions from two different host computers or from a single host using the DEC, Session Support Utility (SSU) or TID/SMP on a terminal server. Sessions can be simultaneously displayed on a split screen or on separate full screens. It's easy to switch or configure sessions via the keyboard with the pull-down window-based setup menu. There is also a dedicated printer port; printing is still available even with dual hosts. WYSE STYLE AND ERGONOMICS Like the VT420, the WY-520 supports 10x16 character resolution and selectable full overscan. The WY-520 offers flicker-free viewing in its high-resolution mode. Wyse also added 16x12 resolution for backward compatibility to VT320 soft fonts. The WY-520 also supports

simultaneous display of 512 distinct characters per session. The WY-520 ES offers all the features found above, plus full compliance with MPR 1990:10. COMMITMENT TO INNOVATION The Wyse promise of world-class ergonomically designed terminals is fulfilled in the WY-520. Choose from three phosphors on the 14-inch non-glare screen. A standard tilt and swivel base offers easy screen positioning. Power, brightness and contrast controls are conveniently located. There's also a high-quality mechanical-switch keyboard for superior touch and feel.

#### DETAILED SPECIFICATIONS

- *Technology*

CPU:  
15MHz 8032 Microprocessor  
MEMORY:  
96KB high-speed static RAM  
VIDEO:  
Up to 6 pages screen memory  
VIDEO PROCESSOR:  
Surface-mounted, Wyse-designed ASIC

- *Power*

INPUT:  
110/220 VAC Autosensing  
RANGE:  
90-264 VAC, 47-64 Hz  
INRUSH:  
not given  
CONSUMPTION:  
50 Watts  
FUSE:  
2 A, 250 V, Slow-blow

- *Display Features*

MONITOR SIZE:  
14-in diagonal flat, non-glare screen with selectable overscan mode  
IMAGE SIZE:  
237 mm  $\pm$ 4 mm (H) x 178 mm  $\pm$ 4 mm (V)  
COLORS:  
P-188 (white), P-134 (amber), P-31 (green)  
RESOLUTION:  
Up to 1188 x 400 pixels  
ADJUSTMENTS:  
Tilt and swivel base +5 to -20 degrees tilt,  
90 degrees right to 180 degrees left swivel

**USER CONTROLS:**

Brightness and contrast. Large side-mounted, easily accessible, attractively designed controls

● *AlphaNumeric Features*

**PERSONALITIES:**

DEC: DEC-PCTerm, VT420, VT320, VT100, VT52;

Wyse: WY-85, WY-60, WY-PCTerm

**SCREEN:**

24/36/48 lines per screen

**CURSORS:**

Block, underline,blink, steady or off, vertical coupling and page coupling supported

**CHARACTER CELLS:**

80 Column: 10x8, 10x10, 10x16, 15x12

132 Column: 9x16, 9x10, 9x8

**ATTRIBUTES:**

All combinations of reverse, bold, underline, dim, blink, and blank

● *Keyboard*

**DESIGN:**

Low-profile, two-position tilt; detached with 1.5 meter coiled cable. Mechanical keyswitches.

**LAYOUTS:**

WY-285 108-key ANSI (VT420 style), IEPC and EPC

**FUNCTION KEYS:**

Fully programmable from host or setup. Savable in memory.

**LANGUAGES:**

US/UK/Canadian English, French, French/Canadian, German, Spanish, Italian, Flemish, Danish, Dutch, Swedish, Finnish, Norwegian, Swiss-German/French, French/Belgian

**OPTIONS:**

Localization kits.

● *Physical Characteristics*

**TERMINAL:**

Height 12.8in (325 mm) Width 12.8in (325 mm)

Depth 12.4in (315 mm)

**FOOTPRINT:**

10.75 in x 8.75 in (275 mm x 222 mm)

**BOX:**

not given

**SHIPPING WEIGHT:**

Terminal and keyboard: 25 Lbs (11.3 Kg)

● *Environmental*

**TEMPERATURE(NON-OPERATING):**

-10° to +60° C (14° to 140° F)

**TEMPERATURE (OPERATING):**

10° to 40°C (50° TO 104° F)

**HUMIDITY:**

20% to 80% non-condensing

**ALTITUDE (NON-OPERATING):**

not given

**ALTITUDE (OPERATING):**

Sea level to 10,000 feet

( 0 TO 3000 meters )

● *Video Electrical*

**REFRESH:**

70 or 85Hz, NI

**BRIGHTNESS(MAX):**

White: 45 fL (+7-3)

Green: 70 fL (+7-3)

Amber: 32 fL (+7-3)

Raster: 1.0 fL (±0.5 fL)

**LINEARITY:**

10% Horizontal and vertical

**CENTERING:**

4.0 mm maximum, horizontal and vertical

**WAVE AND JITTER:**

<= 0.1 mm

**PIN CUSHION:**

2.0 mm maximum

**TILT:**

1.20 mm

● *Regulatory*

**ERGONOMICS:**

ZH1/618 and ISO 9241-3

**SAFETY:**

UL 1950, CSA 950, TUV-GS, EN 60950

DHHS 21 CFR Subchapter J, X-Radiation

**EMI/RFI:**

FCC CFR Part 15 Class A

VDE 0871 Level B Radio Protection Mark

EN 55022 (CISPR 22) Class B  
EMISSIONS: (-ES Version)  
Swedish MPR 1990:10 (SWEDAC) guidelines  
CE MARK:  
89/336/EEC, 73/23/EEC, 92/31/EEC, 93/68/EEC  
EN55082-1, IEC801-2, IEC801-3, IEC801-4,  
EN60555-2, EN60950, EN55022-B, EN2941-3  
(WY-520 AND WY-520ES)

- *Models/Part Numbers*

MODELS:

WY-520 901100-52 (green)  
WY-520 901100-55 (paper white),  
WY-520 901100-58 (amber)  
WY-520ES 901100-56 MPR Compliant with paper-  
white display  
WY-520+ 901100-32 (green)  
WY-520+ 901100-35 (paper white)  
WY-520+ 901100-38 (amber)  
WY-520ES+ 901100-36 MPR Compliant with paper-  
white display

OPTIONS:

not given

WARRANTY:

One year limited warranty within country of  
purchase

- *Communications/Ports*

MODES:

Full/half duplex, local, block, monitor

PORTS:

Main: User definable RS-232 male DB-25 connector  
and Wyse modified modular 423 (DEC MMJ and  
RJ-11 compatible). Bidirectional up to  
38.4Kbaud.

SECONDARY HOST:

Wyse modified modular 423 (DEC MMJ and RJ-11  
compatible). Bidirectional up to 38.4Kbaud.

PRINTER:

Wyse modified modular 423 (DEC MMJ and RJ-11  
compatible). Bidirectional up to 38.4Kbaud.

SESSION SUPPORT:

Dual host support (two sessions over two  
communications lines), Dual session support (two  
sessions over one communication line, DEC SSU,  
TD/SMP protocol)