

## Technical Support - Knowledge Base

### WY-65 Specifications



**WY-65 and WY-65ES Display Terminal** The most advanced terminal ever built by Wyse Technology, the WY-65 and WY-65ES deliver a wide range of personalities that are ideal for today's multi-host environments. Fast data communications, power management, world-class ergonomics, and a three-year warranty make the WY-65 a high-performance best buy.

**MULTIPLE PERSONALITIES** The WY-65 contains the most complete personality array of any Wyse terminal. Besides IBM 3151 compatibility for RS6000 applications, the WY-65 also supports the industry-standard Wyse WY-60 personality, along with other popular modes, such as DEC VT320 and UNIX Console. The WY-65 is ideal for today's multi-host environments, running a variety of operating systems such as AIX, XENIX, UNIX, PICK and multi-user DOS. This is the one terminal that will meet every need for a long time to come.

**FASTER PERFORMANCE** The tremendous processing speed of the WY-65 terminal is nothing short of amazing. This speed is accomplished by using an enhanced 80C31-compatible microcontroller running at 14.7 MHz, and the Wyse-designed Application Specific Integrated Circuit (ASIC). Advanced features such as User Preference Setup allows the user to quickly change options such as cursor style on the fly. A User-Definable Action Bar lets application developers customize menus and macros to

match their applications needs.

**POWER SAVINGS** The WY-65 is EPA Energy Star and Nutek Power Management compliant, which saves money and the environment simultaneously. The 94 Hz refresh rate with overscan lets the WY-65 deliver comfortable, flicker-free viewing. The well-defined, high resolution 15 x 16 cell size is very easy on the eyes. Front-mounted brightness, contrast and power on/off switch are easy to access.

**THE BEST FROM WYSE** From the range of personalities and world class ergonomics to the affordable price, Wyse offers it all in one product. Always expect the best from Wyse. It's just another reason Wyse Technology is the world's leading supplier of general purpose terminals.

#### DETAILED SPECIFICATIONS

- *Technology*

**PROCESSOR:**  
14.7 MHz 80C31/80C32 Compatible microcontroller

**MEMORY:**  
32K x 8 Character RAM; 32K x 8 Attribute RAM;  
32K x 8 Extension RAM; 27C020 EPROM

**VIDEO:**  
Up to seven pages of display memory

- *Power*

**POWER REQUIREMENTS:**  
Line voltage 120-230 VAC  
Line frequency 50/60 Hz

**POWER CONSUMPTION:**  
29 Watts

**FUSE:**  
2 A, 250 V, slow blow

**INPUT VOLTAGE RANGE:**  
Auto-sensing from 90 to 264 VAC at 47 to 63 Hz

**INPUT FREQUENCY RANGE:**  
47-63 Hz

- *Display Features*

**MONITOR:**  
14-inch diagonal, flat, non-glare etched CRT.  
Green (P-31), Amber (P-134), or White (P-192) phosphor

**REFRESH RATE:**  
Up to 94 Hz, flicker free, non-interlaced

**VIDEO:**  
Overscan, borderless, full screen image  
9.65 in x 7.25 in  
(245 mm x 184 mm)

**CONTROLS:**

Front mounted clustered controls for brightness, contrast and power on/off  
ADJUSTMENTS:  
Tilt and Swivel  
POWER ON INDICATOR:  
Front-mounted power-on LED  
ADDITIONAL FEATURES:  
Action Bar with user preference setup  
WyseWorks desktop utilities  
Windows-style setup  
Rest Timer  
Easy-access display alignment and rotation

- *AlphaNumeric Features*

PERSONALITIES:  
IBM 3151, WY-50, WY-50+, WY-60, WY-120, WY-1.50, WY-160,  
DEC VT320, VT220, VT100, VT52, tJNIX Console, PCTerm,  
TeleVideo TVI925, ADDS A2  
DISPLAY FORMATS:  
27 or 45 lines by 80 or 132 columns  
CHARACTER CELL:  
15x16, 10x16, or 10x13 in 80 columns  
FONTS:  
Simultaneously program and display 512 unique characters  
and symbols  
ATTRIBUTES:  
Normal, blink, blank, dim or bold (ANSI), reverse,  
underline or any combination; choice of double-high  
and/or double-wide on a per line basis  
CURSOR:  
Block or underline; blink, steady or off

- *Keyboard*

DESIGN:  
Low profile with two position tilt; 5 foot  
(1.5 m) coiled cable  
LAYOUTS:  
Choice of 102 key EPC, 103 key IEPC, 105 key ANSI, or  
Wyse ASCII  
FUNCTION KEYS:  
Up to 16 user-definable function keys with up to 66 key  
combinations (emulation and keyboard dependent)  
LANGUAGES:  
All keyboards support:  
US/UK English, Danish, Duteh, Finnish, Flemish,  
French, French Canadian, German, Italian, Norwegian,  
Spanish, Swedish, German/Swiss French  
ANSI and IEPC support:  
Czech, Hungarian, Polish, Portuguese, Romanian,  
Russian, SCS, Slovak, Turkish  
Additionally, EPC/IEPC support Latin America Spanish

- *Physical Characteristics*

TERMINAL:  
Height: 13.2 in (335 mm)  
Width: 12.7 in (323 mm)  
Depth: 12.3 in (312 mm)  
FOOTPRINT:  
Less than 7.5 in x 7.5 in (190 mm x 190 mm)  
SHIPPING WEIGHT:  
Terminal and Keyboard: 23 Lbs (10.4 Kgs)

- *Environmental*

TEMPERATURE:  
Operating range: +50° to +104° F (+10° to +40° C)  
Nonoperating range: -14° to +140° F (-10° to +60° C)  
HUMIDITY:  
20% to 80% non-condensing  
ALTITUDE:  
Operating range: 0 to 10,000 feet (0 to 3,048 meters)

- *Video Electrical*

SCAN FREQUENCY:  
Horizontal 37.45 kHz;  
Vertical 75 and 95 Hz  
CENTERING:  
Horizontal 3.0 mm (0.117 in) maximum  
Vertical 3.0 mm (0.117 in) maximum  
PINCUSHION:  
2.0 mm (0.078 in) maximum  
TILT:  
1.40 mm (0.054 in)  
BRIGHTNESS (MAXIMUM)  
White 35 fL (+7 -3)  
Green 70 fL (+7 -3)  
Amber 32 fL (+7 -3)  
Raster 1 fL ± 0.5 fL  
LINEARITY:  
Horizontal 10%  
Vertical 10%  
WAVE AND JITTER:

± 1.0 pixel

- *Regulatory*

ERGONOMICS:

ISO 9241-3 approved (EN 29241)

Meets the German ZH 1/618

Meets the MPR 1990:10 guidelines for low electromagnetic and low electrostatic emissions (ES model only)

SAFETY:

UL 1950 and CSA 950 approved

TUV/GS Mark

EN 60 950 approved

Nemko

RADIO FREQUENCY AND EMISSIONS:

FCC Class A compliant

VDE 0871 level B

EN 55022 class B compliant

CE Mark

POWER CONSUMPTION:

EPA Energy Star compliant

Nutek Power Management compliant

- *Models/Part Numbers*

MODEL NUMBERS:

901567-01 WY-65 Green phosphor

901567-04 WY-65 White phosphor

901567-07 WY-65 Amber phosphor

901567-06 WY-65ES White phosphor

WARRANTY:

Three -Year Limited Warranty within country of purchase

- *Communications/Ports*

MODES:

Full/half duplex, block, half duplex block, local, monitor (debug)

COMM1:

RS-423/232 serial, female DB-25

Up to 115K baud rate

COMM2:

RS-232 serial, male DB-9

Up to 115K baud rate

PARALLEL:

Centronics, female DB-25