

SPHERA WL Wireless Optical Desktop

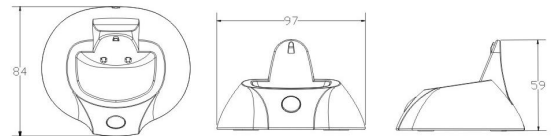
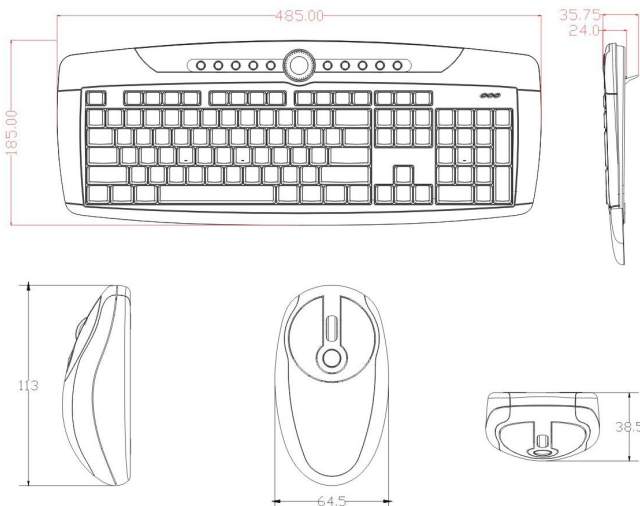
SPECIFICATIONS

Part 1.0: General Features

- Full size slim wireless multimedia keyboard
- Totally Wireless freedom
- 27MHz digital radio technology
- 1 channel 256 ID to avoid interference (2 CH 512 ID optional)
- Keyboard 1.8 meter, mouse 1.2 meter operation range
- Keyboard come with 12 hotkeys, 9 of which are programmable
- 800 DPI Optical precision
- 3 level power saving mode for mouse
- Mouse come with 3 programmable buttons
- Low battery indicator
- Rechargeable function for mouse



Part 2.0: Physical characteristics



Sensor light on mouse: Red

Receiver power requirement: 5V DC from USB port

Frequency: Mouse 27.045 MHz (1 CH version)
27.045 MHz (2 CH version)
27.195 MHz
Keyboard 27.145 MHz (1 CH version)
27.095 MHz (2 CH version)
27.145 MHz

ID numbers: 256 random ID per channel

Resolutions: 800 DPI

Sensor Tracking Speed: 16 inches / Second

Battery

Battery type: two AAA 600mAh Ni-MH for mouse
two AA alkaline for keyboard

Battery consumption:

Mouse: Operating Mode: ≤ 35 mA

Sleep Mode 1: ≤ 6.5 mA

Sleep Mode 2: ≤ 500 uA

Keyboard: Operating Mode: ≤ 10 mA

Sleep Mode 1: ≤ 0.2 mA

Low battery indicator active: 2.1V

Part 4.0: Reliability

Keyboard Button Switch Activation: 8,000,000 cycle

Mouse Button Switch Activation: 1,000,000 cycle

Scroll Wheel encoder Activation: 100,000 cycle

Operating temperature: -5 - 40 degrees celsius

Operating humidity: 20% - 90%

Part 5.0 System Requirement

Windows 98, Windows 98SE, Windows 2000, or
Windows xp. Windows ME.

Part 6.0 Optional Configuration

AC - DC Adaptor, 2 Channel 512 ID, USB + PS/2

Mechanical Performance

Operating force of mouse buttons	60 $\pm$ 15gf
Operating force of Browser switches	170 $\pm$ 25gf
Operating force of wheel scrolling	20 $\pm$ 10gf
Operating force of ID buttons	100 $\pm$ 15gf
Operating force of keyboard keycaps	60 $\pm$ 15gf

Buttons

Mouse : 3 buttons with scrolling wheel,
1 connect button

Keyboard : 105 standard keys, 18 hotkeys (www, Email,
Media, stop, Mute, previous track, next track,
play/pause, Volume +, Volume -, sleep,
My computer)
1 connect button

Receiver : 1 connect button

Weight:

Mouse: 95 $\pm$ 10 g (battery included)

Keyboard: 865 $\pm$ 10 g (battery included)

Receiver: 85 $\pm$ 10 g

Part 3.0: Electrical Specification

Interface : USB 1.1 or PS/2

Sensor report rate on mouse: 3000 times per second

Operation angle: 360 degrees

Operation distance: Mouse 1.2 meter

Keyboard 1.8 meter

Note:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Caution:

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.