

### Overview

## Models

### Combo Kit

HP USB PS2 Washable Keyboard/Mouse

BU207AA

### Standalone

HP USB PS2 Washable Keyboard

VF097AA

HP USB PS2 Washable Scroll Mouse

BM866AA

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## Introduction

The HP USB PS2 Washable Keyboard/Mouse is well-suited for environments that require devices to be immersed and cleaned with the following solvents: soap, washing-up liquid, non-abrasive cleaners, general purpose cleaners, bleach, disinfectant, antibacterial cleaners and surgical spirit. The HP USB PS2 Washable Keyboard/Mouse provides protection against ingress of water and dust to code IP66 defined in IEC (International Electro Technical Commission) standard 60529-1 and code 4X as defined in NEMA (National Electrical Manufacturers Association) standard 250. The code IP66 defined in the IEC standard 60529 means the device is protected against the ingress of dust, and that high pressure water jets from any direction will not have any harmful effects. A NEMA 4X enclosure as defined in NEMA standard 250 will provide protection against windblown dust, rain, splashing water and hose directed water. For additional information on regulatory standards consult your legal department.

**NOTE:** Observe the manufacturer's instructions for the preparation and use of all cleaning fluids and wear the appropriate protective clothing.

**WARNING:** To reduce the risk of electric shock, avoid using the keyboard with a computer in wet locations.

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## Key Benefits

- SpillSeal® technology protection, which provides protection from liquids and dust as defined in IEC standard 60529-1, code IP66, and NEMA standard 250, code 4X
  - Sealed structure able to be fully washed under running water (If the USB plug [connector] gets wet, shake dry before reconnecting.)
  - Waterproof exterior that protects against windblown dust, rain, splashing water and hose-directed water
  - USB extension cable allows the keyboard or mouse to be easily disconnected without having to access the computer
  - Plug and play capability when using supported Microsoft Windows operating systems. No additional software drivers are required
  - PS2 or USB connection
  - User-selectable, zero-degree slope for potential wrist-posture improvement and associated usage comfort
  - Key-mechanism lifecycle rated to 10 million keystrokes
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## Compatibility

The HP USB PS2 Washable Keyboard/Mouse is compatible with all HP Compaq Business Desktop PCs.

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### Overview

### Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.



### Technical Specifications

HP USB PS2 Washable Keyboard	Physical characteristics	Keys	104 (US) Layout, 105 (EU) layout -- depending upon country
		Dimensions (L x W x H)	17.67x 6.62 x 1.38 in (449 x 168 x 35 mm)
		Weight	1.7 lb (0.77 kg) minimum
	Electrical	Operating voltage	+ 5VDC ±5%
		Power consumption	50-mA maximum (with three LEDs ON)
		System interface	USB Type A plug connector
		ESD	CE level 4, 15-kV air discharge
		EMI - RFI	Conforms to FCC rules for a Class B computing device
	Mechanical	Microsoft® PC 99 - 2001	Functionally compliant
		Keycaps	Stepped -profile design
		Switch actuation	55-g nominal peak force with tactile feedback
		Switch life	20 million keystrokes
		Switch type	Contamination-resistant switch membrane
		Key-leveling mechanisms	For all double-wide and greater-length keys
		Cable length	7 ft (2.2 m)
		Microsoft PC 99 - 2001	Mechanically compliant
		Acoustics	43-dBA maximum sound pressure level
		Environmental	Operating temperature
	Non-operating temperature		-4° to 149° F (-20° to 65° C)
	Operating humidity		10% to 95% (non-condensing at ambient)
Non-operating humidity	0% to 95% (non-condensing at ambient)		
Operating shock	40 g, six surfaces		
Non-operating shock	80 g, six surfaces		
Operating vibration	2-g peak acceleration		
Non-operating vibration	4-g peak acceleration		
Operating system support	Drop (out of box)	26 in (66 cm) on carpet, six-drop sequence	
	Drop (in box)	42 in (107 cm) on concrete, 16-drop sequence	
Approvals	Operating system support	Windows® 7, Windows Vista, Windows XP Professional	
	Approvals	UL, cUL, FCC, CE, TUV GS, VCCI, BSMI, C-Tick, KCC, USB-IF, WHQL, EN/IEC 60601-1, IP66/NEMA4X	
Ergonomic compliance	Ergonomic compliance	ANSI HFS 100, ISO 9241-4, and TUVGS	
	Kit contents	Keyboard with USB cable, USB-to_PS2 adapter, Quick disconnect cable with extension to lengthen your cable, I/O Security Software & Documentation CD including the safety and comfort guide, warranty card	

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HP USB PS2 Washable Scroll Mouse	Dimensions (H x L x W)	1.56 x 2.44 x 4.61 in (3.95 x 6.21 x 11.7 cm)
	Weight	4.44 oz (126 g)
	Environmental	Operating temperature -32° to 104°F (0° to 40° C)



### Technical Specifications

	<b>Non-operating temperature</b>	-4° to 140°F (-20° to 60° C)
	<b>Operating humidity</b>	10% to 90% (non-condensing at ambient)
	<b>Non-operating humidity</b>	10% to 90% non-condensing
	<b>Operating shock</b>	40 g, 6 surfaces
	<b>Non-operating shock</b>	80 g, 6 surfaces
	<b>Operating vibration</b>	2 g peak acceleration
	<b>Non-operating vibration</b>	4 g peak acceleration
	<b>Drop (out of box)</b>	80 cm height onto asphalt tile over concrete or equivalent, 5-drop in 5 direction except the cable face
<b>Electrical</b>	<b>Operating voltage</b>	5 VDC $\pm$ 10%
	<b>Power consumption</b>	100mA
	<b>System consumption</b>	PS/2 mini-din connector or USB
	<b>ESD</b>	CE level 2 8 kV air discharge
	<b>EMI-RFI</b>	Conforms to FCC rules for a Class B computing device
	<b>Microsoft® PC99 – 2001</b>	Functionally compliant
<b>Mechanical</b>	<b>Resolution</b>	1000 $\pm$ 20% DPI
	<b>Tracking speed</b>	14 in/s ( 35.56 cm/s) maximum
	<b>Acceleration</b>	2 g
	<b>Switch actuation</b>	70 g nominal peak force
	<b>Switch life</b>	3,000,000 operations (using Hasco modified tester)
	<b>Switch type</b>	Low force micro-switches
	<b>Cable length</b>	8.8 ft total 70 cm+ 2m extension
	<b>Microsoft PC99 – 2001</b>	Mechanically compliant
<b>Scroll wheel</b>	<b>Width</b>	6 mm
	<b>Diameter</b>	1 in (25.4 mm)
	<b>Maximum rotation speed</b>	48 rats/sec
	<b>Switch type</b>	Light force micro-switch
	<b>Switch life</b>	3 million operations
	<b>Mechanical life</b>	Minimum 200,000 revolutions
<b>Regulatory approvals</b>	<b>Compliant</b>	FCC, CE Mark, ICES-003-B, IP66/NEMA4X
<b>Compatibility</b>	<b>Operating system support</b>	Windows 7, Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32* (No driver is required for this device. Native support is provided by the operating system.), xpe, ce.net, Linux, XP-64

\* Certain Windows Vista product features require advanced or additional hardware. Windows Vista



### Technical Specifications

Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit:  
<http://www.windowsvista.com/upgradeadvisor>.  
For Windows Vista system requirements, visit:  
<http://www.windowsvista.com/systemrequirements>.

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