Microsoft®
Wireless Laser Desktop 4000

Comfort Curve Keyboard | High Definition Laser Mouse

Microsoft

Technical Data Sheet

Version Information	
Product Name	Microsoft® Wireless Optical Desktop 4000
Product Version	Microsoft Wireless Optical Desktop 4000 v1.0
Keyboard Version	Microsoft Wireless Comfort Keyboard 4000
Mouse Version	Microsoft Wireless Laser Mouse 5000 v1.0
Receiver Version	Microsoft Wireless Laser Mouse Receiver 5000 v1.0

Product Dimensions	
Keyboard Length	19.2 inches (487 millimeters)
Keyboard Width	9.69 inches (246 millimeters) includes palm rest
Keyboard Depth/Height	2.24 inches (57 millimeters) with tilt legs extended
Keyboard Weight	34.3 ounces (971 grams) includes 2 AA alkaline batteries; typical battery weight may vary
Mouse Length	4.82 inches (122 millimeters)
Mouse Width	2.89 inches (73.4 millimeters)
Mouse Depth/Height	1.70 inches (43.3 millimeters)
Mouse Weight	4.86 ounces (384 grams) including 2 AA alkaline batteries; typical battery weight may vary
Receiver Length	4.40 inches (111 millimeters)
Receiver Width	2.78 inches (70.8 millimeters)
Receiver Depth/Height	1.32 inches (33.6 millimeters)
Receiver Weight	3.17 ounces (90 grams)
Receiver Cable Length	60 inches +/- 6 inches (1500 millimeters +/- 152 millimeters)

Compatibility and Localization	
Interface	USB Compatible
Operating Systems	• Microsoft Windows® Vista, Windows XP Pro/Pro x64/Home/Media Center Edition/Tablet PC Edition and Windows 2000 service pack 4 • Macintosh Mac OS X versions 10.1-10.4 (excludes Mac OS X version 10.0-10.1)
Top-line System Requirements	**For a Microsoft Windows-based PC:** • Requires a PC that meets the requirements for and has installed one of these operating systems: Microsoft Windows Vista, Windows XP Pro/Pro x64 Edition/Home/Media Center Edition/Tablet PC Edition, or Windows 2000 service pack 4 • 60 MB of available hard disk space (install 100 MB free) • USB port • CD drive • Microsoft IntelliPoint software version 6.2 and IntelliType Pro software version 6.2 **For a Macintosh PC:** • Macintosh Mac OS X versions 10.2 - 10.4 (excludes Mac OS X version 10.0-10.1) • 30 MB of available hard disk space (install 30 MB) • USB port • CD drive • Microsoft IntelliPoint for Mac software version 6.2 and IntelliType Pro for Mac software version 6.2 Internet Hot Keys are supported for use with: • Windows-based PC: Microsoft Internet Explorer version 5.0 or later; MSN® Explorer versions 7.0 and 8.0; Netscape Navigator versions 6.1, 6.2, and 7.0; and AOL versions 7.0, 8.0, and 9.0 • Macintosh PC: Microsoft Internet Explorer for the Macintosh version 5.0 or later and Netscape Navigator version 6.1 or 7.0 **Multimedia Hot Keys are supported for use with:** • Windows-based PC: Versions of Microsoft CD Player, Microsoft Deluxe CD, Microsoft Windows Media® Player, and certain versions of other popular media players and browsers • Macintosh: iTunes Sleep Hot Key functionality is available if your system supports power management and has it enabled, and if all peripherals
Compatibility Logos	• Certified for Microsoft Windows Vista • Mac logo • Universal Mac logo • Certified USB logo
Software Localization	**For a Microsoft Windows-based PC:** Microsoft IntelliPoint and IntelliType Pro software may be installed in Simplified Chinese, Traditional Chinese, English, French, German, Italian, Japanese, Korean, Brazilian Portuguese, Iberian Portuguese, or Spanish. If available, standard setup will install the software in the default OS language. Otherwise, the English language versions will be installed. **For a Macintosh PC:** Microsoft IntelliPoint for Mac and IntelliType Pro for Mac will install in English, French, German, Italian, Japanese, Brazilian Portuguese, and Spanish. User settings for OS language preference determine which localized version of the software is displayed. In the event that OS language preferences are not supported, the English language versions will be displayed.
Keyboard Localization	Available language sets will vary by product and sales channel. **104 key configuration: Chinese (Traditional),** English (North America), English (Canada), and International English (ROW) **105 key configuration:** French (Canada) **106 key configuration:** Korean **109 key configuration:** Japanese

Tracking Technology	
Mouse Tracking System	Microsoft-proprietary high definition laser technology
Imaging Rate	Dynamically adaptable to 6000 frames per second
X-Y Resolution	1000 points per inch (39.4 points per millimeter)
Tracking Speed	Up to 20 inches (508 millimeters) per second

Wireless Technology	
Wireless Platform	27 MHz Radio Frequency (RF)
Wireless Channels	• Keyboard: 27.095 MHz channel 0, 27.195 MHz channel 1 • Mouse: 27.045 MHz channel 0, 27.145 MHz channel 1
Wireless IDs	• Keyboard: Over 65,000 random identification codes • Mouse: Over 65,000 random identification codes
Wireless Range	6 feet (1.83 meters) typical. Note: RF range is affected by many factors, such as nearby metallic objects and relative positioning of the keyboard, mouse, and receiver.

Product Feature Performance	
QWERTY Key Life	1,000,000 actuations per key
Zoom Slider Life	250,000 actuations in either direction
Hot Key Features	Web/Home, Calendar, Mail, Messenger, My Documents, Show My Favorites, My Favorites 1, My Favorites 2, My Favorites 3, My Favorites 4, My Favorites 5, Calculator, Log Off, and Sleep
Hot Key Life	500,000 actuations per key
Media Key Features	Mute, Volume -, Volume +, Play/Pause, Stop (Media), Previous Track, and Next Track
Media Key Life	500,000 actuations per key
Enhanced Function Key Features	Help, Undo, Redo, New, Open, Close, Reply, Forward, Send, Spell, Save, and Print
Typing Speed	1000 characters per minute
Mouse Button Features	5 buttons including scroll wheel button, magnify button, and back button
Right & Left Button Life	1,000,000 actuations at no more than 4 actuations per second
Wheel Button Life	150,000 actuations at no more than 4 actuations per second
Magnify Button Life	1,000,000 actuations at no more than 4 actuations per second
Mouse Scrolling Features	Tilt wheel technology enables vertical and horizontal scrolling
Wheel Vertical Scrolling Life	• 100,000 revolutions (away from user) at no more than 60 rotations per minute • 300,000 revolutions (toward user) at no more than 60 rotations per minute
Wheel Horizontal Scrolling Life	150,000 actuations at no more than 4 actuations per second
Storage Temperature & Humidity	-40 °F (-40 °C) to 140 °F (60 °C) at <5% to 65% relative humidity (non-condensing)
Operating Temperature & Humidity	32 °F (0 °C) to 104 °F (40 °C) at <5% to 80% relative humidity (non-condensing)

Power Requirements	
Battery Type and Quantity	• Keyboard: 2 AA alkaline batteries (included) • Mouse: 2 AA alkaline batteries (included)
Battery Life	• Keyboard: 6 months typical • Mouse: 6 months typical

Certification Information	
Country of Manufacture	Keyboard and Receiver: Thailand and Mouse: People's Republic of China (PRC)
ISO 9002 Qualified Manufacturer	Yes
FCC ID	This device complies with part 15 of the FCC Rules and Industry Canada RSS-210. 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. Tested to comply with FCC standards. For home and office use. Model numbers: 1045, Wireless Comfort Keyboard 4000; 1058, Wireless Laser Mouse 5000 v1.0 and 1053, Wireless Laser Mouse 5000 Receiver v1.0. FCC IDs: C3K1045 and C3K1058.
Agency and Regulatory Approvals	• FCC Declaration of Conformity (USA) • UL and cUL Listed Accessory (USA and Canada) • RSS-210 and ICES-003 data on file (Canada) • TUV-T Certificate (European Union) • R&TTE Declaration of Conformity, Safety and EMC (European Union) • GOST Certificate (Russia) • VCCI Certificate (Japan) • ACA/MED Declaration of Conformity (Australia and New Zealand) • BSMI and DGT Certificates (Taiwan) • MIC Certificate (Korea) • CMII Certificate (China) • SABS Certificate (South Africa) • CB Scheme Certificate (International) • WHQL (International) ID: PENDING