



Version Information	
Product Name	Microsoft® Wheel Mouse Optical
Product Version	Microsoft Wheel Mouse Optical 1.1
Product Dimensions	
Mouse Length	4.88 inches (124 millimeters)
Mouse Width	2.62 inches (66.6 millimeters)
Mouse Depth/Height	1.56 inches (39.6 millimeters)
Mouse Weight	4.42 ounces (125 grams)
Cable Length	72 +6/-0 inches (1830 +150/-0 millimeters)
Compatibility and Localization	
Interface	USB and PS/2 Compatible
Operating Systems	<ul style="list-style-type: none"> • Microsoft Windows® XP, Windows 2000 Professional, Windows Millennium Edition, Windows 98 and Windows NT® 4.0 • Macintosh Mac OS X versions 8.6-9.x and versions 10.1-10.3.x (excludes Mac OS X version 10.0)
Top-line System Requirements	<p>For a Microsoft Windows-based PC:</p> <ul style="list-style-type: none"> • One of the following: <ul style="list-style-type: none"> • Windows XP with Pentium 233 MHz or higher processor and 128 MB of RAM • Windows 2000 Professional with Pentium 133 MHz or higher processor and 128 MB of RAM • Windows Millennium Edition or Windows 98 with Pentium 133 MHz or higher and 32 MB of RAM • Windows NT 4.0 with Service Pack 6 or later with Pentium 133 MHz or higher and 64 MB of RAM • 25 MB of available hard-disk space • USB port or PS/2 port (USB requires Windows XP, Windows 2000, Windows Millennium Edition, or Windows 98) • CD drive <p>For a Macintosh PC:</p> <ul style="list-style-type: none"> • Macintosh Mac OS X versions 8.6-9.x and versions 10.1-10.3.x (excludes Mac OS X version 10.0) • 15 MB of available hard-disk space • USB port
Compatibility Logos	<ul style="list-style-type: none"> • Designed for Microsoft Windows XP, 2000, ME, 98, Windows NT • Mac logo
Software Version	Microsoft IntelliPoint software, version 4.12 or higher, is required in order to enjoy full product functionality including scroll wheel and button programmability. IntelliPoint, version 5.2 or higher, is recommended (IntelliPoint versions 5.x require Windows 2000 or Windows XP).
Software Localization	Microsoft IntelliPoint 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 version will be installed.
Product Feature Performance	
Mouse Button Features	3 buttons including scroll wheel 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
Mouse Scrolling Features	Standard vertical scroll wheel
Wheel Vertical Scrolling Life	<ul style="list-style-type: none"> • 85,000 revolutions (away from user) at no more than 60 rotations per minute • 100,000 revolutions (toward user) at no more than 60 rotations per minute
Storage Temperature & Humidity	-40 °F (-40 °C) to 140 °F (60 °C) at <5% to 65% relative humidity (non-condensing)
Operating Temperature & Humidity	14 °F (-10 °C) to 104 °F (40 °C) at <5% to 80% relative humidity (non-condensing)
Optical Technology	
Mouse Tracking System	Microsoft-proprietary optical technology
Imaging Rate	Dynamically adaptable to 9000 frames per second
X-Y Resolution	400 points per inch (15.75 points per millimeter)
Tracking Speed	Up to 20 inches (508 millimeters) per second
Certification Information	
Country of Manufacture	People's Republic of China (PRC)
ISO 9002 Qualified Manufacturer	Yes
Agency and Regulatory Approvals	<ul style="list-style-type: none"> • FCC Declaration of Conformity (USA) • UL and cUL Notice of Approval (USA and Canada) • ICES-003 report on file (Canada) • TUV-GS Certificate (Germany) • CE Declaration of Conformity, Safety and EMC (European Union) • GOST Certificate (Russia) • VCCI Certificate (Japan) • ACA/MED Declaration of Conformity (Australia and New Zealand) • BSMI Certificate (Taiwan) • MIC Certificate (Korea) • NOM Certificates (Mexico) • CB Scheme Certificate (International) • WHQL (International) ID: 866988

Results stated herein are based in internal Microsoft testing. Individual results and performance may vary. Device images are not shown actual size. This document is provided for informational purposes only and is subject to change without notice. Microsoft makes no warranty, express or implied, with this document or the information contained herein. Review any public use or publication of an data herein with your local legal counsel.

©2004 Microsoft Corporation. All rights reserved. Microsoft, The IntelliEye logo, Natural, NT and Windows are either registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries. The names of actual companies and products mentioned herein may be trademarks of their respective owners.