

# Microsoft® Wireless Optical Desktop 1000

Feel the freedom of a wireless keyboard and mouse



## Technical Data Sheet

Version Information	
Product Name	Microsoft® Wireless Optical Desktop 1000
Product Version	Microsoft Wireless Optical Desktop 1000 v1.1
Keyboard Version	Microsoft Wireless MultiMedia Keyboard 1.1a
Mouse Version	Microsoft Wireless Optical Mouse 2000 v1.0
Receiver Version	Microsoft Wireless Optical Desktop Receiver 2.1a
Product Dimensions	
Keyboard Length	17.9 inches (455 millimeters)
Keyboard Width	10.7 inches (271 millimeters) includes palm rest
Keyboard Depth/Height	1.45 inches (36.9 millimeters) with tilt legs extended
Keyboard Weight	31.1 ounces (883 grams) includes 2 AA alkaline batteries; typical battery weight may vary
Mouse Length	4.79 inches (122 millimeters)
Mouse Width	2.55 inches (64.8 millimeters)
Mouse Depth/Height	1.52 inches (38.7 millimeters)
Mouse Weight	4.62 ounces (131 grams) includes 2 AA alkaline batteries; typical battery weight may vary
Receiver Length	4.72 inches (120 millimeters)
Receiver Width	3.15 inches (80.0 millimeters)
Receiver Depth/Height	1.13 inches (28.7 millimeters)
Receiver Weight	5.89 ounces (167 grams)
Receiver Cable Length	60 inches + 6/-0 inches (1524 millimeters +152/-0 millimeters)
Compatibility and Localization	
Interface	USB Compatible
Operating Systems	<ul style="list-style-type: none"> <li>• Microsoft Windows® 7, Windows Vista®, and Windows XP (excluding Windows XP 64-bit)</li> <li>• Mac OS X v10.2-10.4</li> </ul>
Top-line System Requirements	<p><b>For a Microsoft Windows-based PC:</b> Requires a PC that meets the requirements for and has installed one of these operating systems:</p> <ul style="list-style-type: none"> <li>• Windows 7, Windows Vista, and Windows XP (excluding Windows XP 64-bit)</li> <li>• 60 MB of available hard disk space (Install 100 MB free)</li> <li>• USB port</li> <li>• CD Drive</li> <li>• Microsoft IntelliType Pro software version 7.0 and IntelliPoint software version 7.0</li> </ul> <p><b>For a Macintosh PC:</b></p> <ul style="list-style-type: none"> <li>• Mac OS X v10.2-10.4</li> <li>• 30 MB of available hard disk space (Install 30 MB free)</li> <li>• CD Drive</li> <li>• USB port</li> <li>• Microsoft IntelliType Pro for Mac software version 7.0 and IntelliPoint for Mac software version 7.0. Users of Mac OS X v10.2 must install IntelliType Pro for Mac and IntelliPoint for Mac software before connecting the hardware.</li> </ul> <p><b>Internet Hot Keys are supported for use with:</b></p> <ul style="list-style-type: none"> <li>• Windows-based PC: Browser support (only with software installed): Microsoft Internet Explorer version 5.0 or later; MSN® Explorer versions 7.0 and 8.0; Netscape Navigator Versions 6.1, 6.2, 7.0; and AOL versions 7.0, 8.0, 9.0</li> <li>• Macintosh PC: Browser support (only with software installed): Apple Safari 1.2, Microsoft Internet Explorer 5.2.3, MSN Explorer 4, Netscape Navigator 7, Mozilla Firefox 1.0, Opera 7</li> </ul> <p><b>Multimedia Hot Keys are supported for use with:</b></p> <ul style="list-style-type: none"> <li>• 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</li> <li>• Macintosh PC: iTunes</li> </ul> <p>Sleep Hot Key functionality is available if your system supports power management and has it enabled, and if all peripherals are compatible with power management.</p>
Compatibility Logos	<ul style="list-style-type: none"> <li>• Compatible with Microsoft Windows 7</li> <li>• Certified for Microsoft Windows Vista</li> <li>• Mac logo</li> <li>• Certified USB logo</li> </ul>
Software Localization	<p><b>For a Microsoft Windows-based PC:</b> 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.</p> <p><b>For a Macintosh PC:</b> 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.</p>
Keyboard Localization	<p>Available language sets will vary by product and sales channel.</p> <p><b>104 key configuration:</b> English (North America), English (Canada), International English (EURO), and International English (ROW)</p> <p><b>105 key configuration:</b> Danish, English (UK), Finnish/Swedish, French (Belgium), French (Canada), French (France), German (Germany), German (Switzerland/Belgium), Hebrew, Italian, Norwegian, Spanish (EURO), and Spanish (Latam)</p> <p><b>106 key configuration:</b> Korean</p> <p><b>109 key configuration:</b> Japanese</p>
Tracking Technology	
Mouse Tracking System	Microsoft-proprietary optical 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 15 inches (381 millimeters) per second
Wireless Technology	
Wireless Platform	27 MHz Radio Frequency (RF)
Wireless Channels	<ul style="list-style-type: none"> <li>• Keyboard: 27.195 MHz channel 1</li> <li>• Mouse: 27.145 MHz channel 1</li> </ul>
Wireless IDs	<ul style="list-style-type: none"> <li>• Keyboard: Over 65,000 random identification codes</li> <li>• Mouse: Over 65,000 random identification codes</li> </ul>
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.
Power Requirements	
Battery Type and Quantity	<ul style="list-style-type: none"> <li>• Keyboard: 2 AA alkaline batteries (included)</li> <li>• Mouse: 2 AA alkaline batteries (included)</li> </ul>
Battery Life	<ul style="list-style-type: none"> <li>• Keyboard: 6 months typical</li> <li>• Mouse: 6 months typical</li> </ul>

Product Feature Performance	
QWERTY Key Life	1,000,000 actuations per key
Hot Key Features	Web/Home, Mail, Messenger, My Documents, My Pictures, My Music, Calculator, Log Off, and Sleep
Hot Key Life	500,000 actuations per key
Media Key Features	Mute, Volume -, Volume +, Play/Pause, Launch (Media), 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	3 buttons including scroll wheel button
Right & Left Button Life	3,000,000 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"> <li>• 85,000 revolutions (away from user)</li> <li>• 300,000 revolutions (towards user)</li> </ul>
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)
Certification Information	
Country of Manufacture	People's Republic of China (PRC)
ISO 9001 Qualified Manufacturer	Yes
ISO 14001 Qualified Manufacturer	Yes
Restriction on Hazardous Substances	This device complies with all applicable worldwide regulations and restrictions including, but not limited to: EU directive 2002/95/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment and EU Registration Evaluation and Authorization of Chemicals (REACH) regulation regarding Substances of Very High Concern.
FCC ID	This device complies with part 15 of the FCC Rules and Industry Canada RSS-310. 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: 1014, Wireless MultiMedia Keyboard 1.1; 1067, Wireless Optical Mouse 2000 v1.0, and 1028, Wireless Optical Desktop Receiver 2.1. FCC IDs: C3K1014 and C3K1067.
Agency and Regulatory Marks	<ul style="list-style-type: none"> <li>• FCC Declaration of Conformity (USA)</li> <li>• UL and cUL Listed Accessory (USA and Canada)</li> <li>• RSS-310 and ICES-003 data on file (Canada)</li> <li>• TUV-T Certificate (European Union)</li> <li>• R&amp;TTE Declaration of Conformity, Safety and EMC (European Union)</li> <li>• ICASA Certificate (South Africa)</li> <li>• GOST and FAC Certificates (Russia)</li> <li>• VCCI Certificate (Japan)</li> <li>• ACMA Declaration of Conformity (Australia and New Zealand)</li> <li>• CITC Letter (Kingdom of Saudi Arabia)</li> <li>• MIC Certificate (Korea)</li> <li>• CMII Certificate (China)</li> <li>• MIC Certificate (Israel)</li> <li>• SIRIM Certificate (Malaysia)</li> <li>• NTC Certificate (Philippines)</li> <li>• WEEE (European Union)</li> <li>• EIP Pollution Control Mark, EPUP (China)</li> <li>• CB Scheme Certificate (International)</li> </ul>
Windows Hardware Quality Labs (WHQL)	ID: Mouse 1359699 and Keyboard 1364067 Microsoft Windows 7

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