

# Wyse® Winterm™ S90

Wyse's Most Streamlined and Compact Windows XPe Thin Client



When your enterprise computing architecture requires extremely compact and cost-effective thin clients to securely access applications running on a server plus running Windows® XP applications locally, then the Wyse® Winterm™ S90 thin client is the natural choice. The lightweight, compact, fanless, and diskless unit can be mounted out-of-the way in any space-constrained environment. To minimize maintenance and total cost of ownership, the Winterm S90, like all Wyse thin clients, is managed by Wyse™ Rapport®, the industry's most scalable remote device management solution.

Wyse, the leading supplier of thin client solutions, is the choice of the world's largest businesses and institutions offering the most cost-effective, highly manageable, and secure way to deploy applications including rich GUI-based Windows® applications to end-users throughout any enterprise. Low client cost, low power consumption, obsolescence-free longevity, effortless device setup, and remote management combine to keep your overall application deployment and computing environment costs to a minimum without sacrificing capabilities.

The Winterm™ S90 includes a 400MHz CPU coupled with a fast high resolution video subsystem for fast and crisp display updates that minimizes eyestrain and meets stringent health and ergonomic requirements. Four USB 2.0 I/O ports enable peripheral connectivity with easy access to two of those ports on the front panel. The Winterm S90 runs the Microsoft® Windows® XPe operating system, providing fast boot-up functionality and the ability to easily and rapidly switch between a typical PC desktop and a connection manager dashboard. Because the model S90 is diskless and application installation and execution is fully managed, it is inherently secure from viruses and other malicious software attacks.

The Winterm S90 has an extremely small footprint, a key feature where space is at a premium that enables a broad range of mounting options for any work environment via its innovative monorail mounting system. With optional mounting hardware available from Wyse, the Winterm S90 can be conveniently mounted to a wall, a desk, under a work space, within a cash register, or any space constrained environment.

The Winterm S90 comes bundled with Wyse™ Rapport® (Workgroup edition), the management tool that maximizes return on your investment.

## Features

## Benefits

Microsoft Windows XP Embedded OS	Rich Windows desktop environment to run desktop application software with vast support for peripherals and their corresponding drivers
Familiar Windows XP graphical user interface	Run application software locally and on a server with a common user interface
Embedded custom local applications	Commonly used applications can be built into the device's image so they are immediately available to run locally
Supports RDP 5.2, ICA® 8.0 protocols and terminal emulation	Connectivity and access to applications running on a server via Windows Terminal Services and the Citrix Access Platform
Microsoft Internet Explorer 6.0	Direct web access, with Java and optional IE plug-in support
Microsoft Media Player	Plays industry-standard multimedia formats
AMD Geode GX 533 embedded processor with integrated high-speed video	Optimized performance with low power usage and cool operation
10/100Base-T Fast Ethernet	Fast LAN/WAN connectivity
One serial and four USB 2.0 ports	Directly connect up to five peripherals
Diskless, fanless, convection cooled	Quiet, no moving parts, durable, low operating cost, low service, very long Mean Time Between Failures (MTBF)
Wyse Rapport (Workgroup edition) client management software	"Visit-free" total control — remote management, upgrades, and configuration all from administrator's console
Three-year hassle-free limited warranty	Assurance of reliability, availability, and performance, from the industry leader

# Software

- |  |   |   |
|--|---|---|
| <b>Windows Custom-Application Terminal</b> | <ul style="list-style-type: none"> <li>Based on Microsoft Windows XP Embedded operating system</li> <li>512MB Flash/256MB DDR RAM (standard)</li> </ul>   | <ul style="list-style-type: none"> <li>Integrated Microsoft RDP, Citrix ICA, and terminal emulation protocols standard</li> </ul>   |
| <b>Firmware Features</b>                   | <ul style="list-style-type: none"> <li>Microsoft Windows XPe</li> <li>Microsoft Internet Explorer 6.0 resident:<sup>1</sup> HTML, JavaScript, XML, Active X, Sun JRE, Media Player 6.4, Citrix Web Client</li> </ul>                                  | <ul style="list-style-type: none"> <li>RDP 5.2 resident<sup>1</sup></li> <li>Citrix ICA 8.0 resident<sup>1</sup></li> <li>Terminal emulation emulates 60 terminal types<sup>2</sup></li> </ul>              |
| <b>Server OS Compatibility/Support</b>     | <ul style="list-style-type: none"> <li>Microsoft Windows 2000/2003 Server</li> <li>Microsoft Windows NT Server 4.0, Terminal Server Edition</li> </ul>  | <ul style="list-style-type: none"> <li>Citrix® WinFrame® and MetaFrame®</li> </ul>  |
| <b>Set-Up and Configuration</b>            | <b>User interface</b> <ul style="list-style-type: none"> <li>Boot from local flash</li> <li>Windows XP user interface language: U.S. English; French, German, Spanish optional</li> </ul>   | <ul style="list-style-type: none"> <li>Keyboard language support: U.S. English standard; French, German, Italian, U.K. English, 34 others included</li> </ul>   |
| <b>Protocol Support</b>                    | <ul style="list-style-type: none"> <li>TCP/IP, DNS, DHCP, PXE</li> </ul>  |   |
| <b>Management</b>                          | <ul style="list-style-type: none"> <li>Remote management, configuration, and upgrades through Wyse Rapport client management software version 4.4.1 or later</li> <li>Complete image upgrade</li> <li>Wake terminal remotely (Wake-on-LAN)</li> </ul> | <ul style="list-style-type: none"> <li>Terminal configuration (IP information, name, etc.)</li> <li>Reporting</li> <li>Remote screen shadowing of entire desktop (VNC)</li> <li>Asset management</li> </ul> |

Wyse® Winterm™ S90

# Hardware

- |  |  |   |                           |  |   |  |                 |                    |                   |                      |
|--|--|---|---------------------------|--|---|--|-----------------|--------------------|-------------------|----------------------|
| <b>Processor</b>   | <ul style="list-style-type: none"> <li>AMD Geode GX 533 clocked at 400MHz</li> </ul>   |   |                           |  |   |  |                 |                    |                   |                      |
| <b>Input/Output/Peripheral Support<sup>2</sup></b>   | <ul style="list-style-type: none"> <li>One serial port</li> <li>Four USB 2.0 ports (two on front, two on back)</li> <li>Keyboard: enhanced USB with Windows keys (104 keys) included<sup>3</sup></li> <li>Mouse: PS/2 wheel mouse included<sup>3</sup></li> </ul>  | <ul style="list-style-type: none"> <li>VGA-type video output (DB-15)</li> <li>Local printers via USB, serial, ethernet</li> <li>Built-in Kensington security slot (cable lock sold separately)</li> </ul>   |                           |  |   |  |                 |                    |                   |                      |
| <b>Networking</b>  | <ul style="list-style-type: none"> <li>10/100Base-T Fast Ethernet, twisted pair (RJ-45)</li> </ul>   | <ul style="list-style-type: none"> <li>USB Wi-Fi® adapter Wi-Fi a/b/g (sold separately)</li> </ul>  |                           |  |   |  |                 |                    |                   |                      |
| <b>Display Support<sup>3</sup></b>   | <ul style="list-style-type: none"> <li>VESA monitor support, with Display Data Control (DDC) for automatic setting of resolution, and refresh rate</li> </ul>  | <table border="1"> <tr> <td><b>Display Resolution</b></td> <td><b>Color Depth</b></td> </tr> <tr> <td>1280x1024 @ 100Hz</td> <td>16-bit, 64K colors</td> </tr> <tr> <td>1600x1200 @85Hz</td> <td>16-bit, 64K colors</td> </tr> <tr> <td>1280x1024 @ 100Hz</td> <td>24-bit, 16.7M colors</td> </tr> </table> | <b>Display Resolution</b> | <b>Color Depth</b>   | 1280x1024 @ 100Hz   | 16-bit, 64K colors   | 1600x1200 @85Hz | 16-bit, 64K colors | 1280x1024 @ 100Hz | 24-bit, 16.7M colors |
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| <b>Audio<sup>4</sup></b>   | <ul style="list-style-type: none"> <li>Output: 1/8-inch mini, full 16-bit stereo, 48 KHz sample rate</li> </ul>  | <ul style="list-style-type: none"> <li>Input: 1/8-inch 8-bit mini microphone</li> </ul>   |                           |  |   |  |                 |                    |                   |                      |
| <b>Physical Characteristics (H x W x D)</b>  | <ul style="list-style-type: none"> <li>Height: 1.38 inches (34mm)</li> <li>Width: 6.94 inches (177mm)</li> <li>Depth: 4.75 inches (121mm)</li> <li>Shipping weight: 6lbs (2.7kg)</li> </ul>  | <ul style="list-style-type: none"> <li>Horizontal feet included; optional vertical desktop stand (as shown at right) sold separately</li> <li>Optional mounting bracket for installation beneath desk or on wall sold separately</li> </ul>   |                           |  |   |  |                 |                    |                   |                      |
| <b>Accessories and Add-Ons</b>   | <ul style="list-style-type: none"> <li>See <a href="http://www.wyse.com/products/accessories">www.wyse.com/products/accessories</a> for availability information</li> </ul>  |   |                           |  |   |  |                 |                    |                   |                      |
| <b>Environmental</b>   | <b>Temperature range</b> <ul style="list-style-type: none"> <li>Operating: 32° to 104°F (0° to 40° C)</li> <li>Storage: -14° to 140°F (-10° to 60° C)</li> <li>Convection cooling, fanless design</li> </ul>   | <b>Humidity</b> <ul style="list-style-type: none"> <li>20% to 80% noncondensing</li> </ul> <b>Operating altitude range</b> <ul style="list-style-type: none"> <li>0 to 10,000 feet (0 to 3,050 meters)</li> </ul>   |                           |  |   |  |                 |                    |                   |                      |
| <b>Power</b>   | <ul style="list-style-type: none"> <li>Worldwide auto-sensing 100-240v VAC, 50/60 Hz</li> </ul>  | <ul style="list-style-type: none"> <li>Average power usage: 5.6 Watts (Set-up: device connected with 1 USB keyboard, 1 PS/2 mouse, and monitor)</li> </ul>  |                           |  |   |  |                 |                    |                   |                      |
| <b>Regulatory compliance</b>   | <table border="1"> <tr> <td><b>Ergonomics</b></td> <td><b>Safety</b></td> </tr> <tr> <td> <ul style="list-style-type: none"> <li>German EKI-ITB 2000</li> <li>ISO 9241-3/-8</li> </ul> </td> <td> <ul style="list-style-type: none"> <li>cULus 60950</li> <li>TÜV-GS</li> <li>EN 60950</li> </ul> </td> </tr> </table> | <b>Ergonomics</b>   | <b>Safety</b>             | <ul style="list-style-type: none"> <li>German EKI-ITB 2000</li> <li>ISO 9241-3/-8</li> </ul> | <ul style="list-style-type: none"> <li>cULus 60950</li> <li>TÜV-GS</li> <li>EN 60950</li> </ul> | <b>RF interference</b> <ul style="list-style-type: none"> <li>FCC Class B</li> <li>CE</li> <li>VCCI</li> <li>C-Tick</li> </ul> |                 |                    |                   |                      |
| <b>Ergonomics</b>  | <b>Safety</b>  |   |                           |  |   |  |                 |                    |                   |                      |
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| <b>Warranty</b>  | <ul style="list-style-type: none"> <li>Three-year limited warranty</li> </ul>  |   |                           |  |   |  |                 |                    |                   |                      |



**Wyse Technology Inc.**  
3471 North First Street  
San Jose, CA 95134-1801

**International Sales:**  
Australia 61 (0) 2 9492 0180  
China 86 10 84973054/55  
France 33 1 39 44 00 44  
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**Or send email to:**  
[sales@wyse.com](mailto:sales@wyse.com)

**Wyse Customer Service Center:**  
800 800 WYSE  
(800 800 9973)

<sup>1</sup>Contact Wyse for latest versions. <sup>2</sup>Ericom-PowerTerm® Terminal Emulation. <sup>3</sup>International keyboards are provided in a localized product kit and may be sold separately. <sup>4</sup>Monitor, speakers, and microphone not included.