

# Wyse® Thin Computing

## Wyse Streaming Manager

WYSE  
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## Deliver the power of a PC, without the complexity

With Wyse Streaming Manager, IT administrators can gain the granular control they need to ensure the consistency of deployed software across the enterprise.

It complements existing thin computing solutions, while also dramatically reducing the IT time and costs of delivering and maintaining software throughout an enterprise. By deploying operating system and applications patches centrally, downtime and IT staff time is greatly reduced. Each end user simply reboots their desktop to ensure that the client software is upgraded to the latest patch level.

Wyse Streaming Manager packages and delivers a standardised operating system and necessary applications independently to a stateless thin computer. The thin computer then runs the operating system and applications locally, but all of the files and applications reside on the server, where they are much easier to back up, manage, and maintain.

With the flexibility to deploy applications independent of the streamed operating system, Wyse Streaming Manager allows customers to standardise operating system images across their organisation and deliver applications based on user roles and responsibilities. Administrators can also easily provision new applications or updates to existing applications without having to modify the operating system image.

### Wyse Streaming Manager includes:

- Windows Server based services that manage the streaming of the operating system and applications
- An easy-to-use operating system image creation tool for IT administrators to create and deploy operating system images
- An application packager that allows IT administrators to create and deploy application images
- A centralised web-based management interface

Wyse Streaming Manager works with Wyse V class thin computers, as well as with existing thin computers, personal computers, and virtual-desktop systems.

### Features

On-demand delivery of operating system and applications to stateless devices.

Built-in high availability.

Fast and easy deployment of new applications.

Application licence management and metering.

Centralised management of software updates and patches.

Remote servers deliver increased scalability.

Application subscription management.

Comprehensive reporting tools.

Protected system drive.

Instantaneous recovery from hardware failure.

Simultaneously supports distributed and centralised computing models.

### Benefits

Allows administrators to easily deploy operating system and applications to "stateless" computing devices from a central location without having to visit the desktop.

Delivers resilience to server failure without redundant hardware.

Provides easy deployment of new applications to all desktops at any time from a central location to respond to changing needs of the enterprise.

Offers real-time licence metering and control over the number of application licences used within the enterprise. Prevent piracy and reduce costs by purchasing licences based on usage patterns.

Allows operating system and application patches and updates to be made on the server to ensure software consistency across the enterprise. This also eliminates downtime for upgrades.

Scales deployment to tens of thousands of desktop devices using a tiered server deployment.

Provides flexible application provisioning so administrators can allow users to subscribe to individual applications, auto-subscribe the applications for the user, or specify mandatory applications which cannot be unsubscribed by the user.

Delivers fast system reports about application and system usage.

Allows fast recovery from virus attacks and security hazards by protecting the system drive from unauthorised modifications.

Recovers from hardware failure simply by replacing the device with a new one. All user data, applications, and operating system will automatically download to the new device.

Empowers administrator to decide where applications are executed. Applications can be executed on the stateless desktop, or through Citrix Presentation Server and/or Microsoft Terminal Services, based on the requirements of the application and your IT strategy.

# Wyse Streaming Manager 1.2 Software

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|--|---|---|
| Device Hardware Requirements                   | <ul style="list-style-type: none"> <li>■ Minimum processor 800MHz.</li> <li>■ Minimum memory 256MB.</li> </ul>  | <ul style="list-style-type: none"> <li>■ Flash size/local storage – none needed. If the device has flash it will be disregarded.</li> </ul>   |
| Server Requirements                            | <ul style="list-style-type: none"> <li>■ Minimum processor speed 1GHz (3GHz or higher is recommended).</li> <li>■ Minimum LAN card = 100Mbps (1Gbps recommended).</li> </ul>  | <ul style="list-style-type: none"> <li>■ Server Operating System                             <ul style="list-style-type: none"> <li>- Windows Server 2000 SP3 or higher</li> <li>- Windows Server 2003 or higher.</li> </ul> </li> </ul>  |
| Network Requirements                           | <ul style="list-style-type: none"> <li>■ Minimum LAN Speed = 10Mbps.</li> </ul>   | <ul style="list-style-type: none"> <li>■ 100Mbps duplex is recommended.</li> </ul>  |
| Operating Systems Supported                    | <ul style="list-style-type: none"> <li>■ Microsoft Windows XP Professional.</li> <li>■ Microsoft Windows XP Embedded.</li> </ul>  | <ul style="list-style-type: none"> <li>■ Microsoft Windows 2000 Professional.</li> </ul>  |
| Databases supported                            | <ul style="list-style-type: none"> <li>■ Microsoft SQL Server.</li> </ul>   |   |
| Built-in high Availability                     | <ul style="list-style-type: none"> <li>■ Database availability using SQL clustering.</li> <li>■ Server high availability possible without requiring redundant hardware.</li> </ul>  |   |
| Fast and Easy Installation                     | <ul style="list-style-type: none"> <li>■ Installing Wyse Streaming Manager is simply a matter of running a single, graphical installer.</li> </ul>  | <ul style="list-style-type: none"> <li>■ The installer checks for all the prerequisite components before installation.</li> </ul>   |
| Web-based Admin Console                        | <ul style="list-style-type: none"> <li>■ Allows IT administrators to access Wyse Streaming Manager from any browser.</li> <li>■ Control the entire installation from a central location.</li> </ul>   | <ul style="list-style-type: none"> <li>■ Dramatically simplifies administration, saving IT time and user downtime.</li> <li>■ Wizards to guide the user through specific tasks.</li> </ul>  |
| Operation System and Application Imaging Tools | <ul style="list-style-type: none"> <li>■ Imaging tool simplifies the process of creating an operating system image for the specific hardware configuration and an application image for all hardware configurations.</li> </ul>   | <ul style="list-style-type: none"> <li>■ All OS and application images are ready for deployment once created, no further modifications needed.</li> </ul>   |
| Application Subscription Management            | <ul style="list-style-type: none"> <li>■ Use flexible application deployment methods:                             <ul style="list-style-type: none"> <li>- Auto-subscribed applications are ready for use when user logs in for the first time.</li> <li>- Manual subscriptions allow users the flexibility to use applications only when needed.</li> <li>- Mandatory subscriptions that cannot be unsubscribed by users.</li> </ul> </li> </ul> |   |
| Protected System Drive                         | <ul style="list-style-type: none"> <li>■ Allows administrators to protect the system drive from enduser initiated updates.</li> </ul>   | <ul style="list-style-type: none"> <li>■ Prevents changes to operating system drive except by administrators, helping stop viruses, spyware, or malware from infecting the device.</li> </ul>   |
| Operating System Streaming                     | <ul style="list-style-type: none"> <li>■ Wyse Streaming Manager provides an on-demand operating system to thin-computers on the network.</li> <li>■ Only those bits needed for the normal device operation are sent in order to reduce network traffic.</li> </ul>  | <ul style="list-style-type: none"> <li>■ Innovative technology makes each thin computer think there is a virtual hard disk attached to the device.</li> <li>■ Operating-system images can be shared across multiple devices, making management easier.</li> </ul>   |
| Flexible Boot Options                          | <ul style="list-style-type: none"> <li>■ Each device can boot from four operating system image assignments.</li> <li>■ User select mode for providing users the flexibility to choose which OS to boot from.</li> </ul>   | <ul style="list-style-type: none"> <li>■ First disk mode for the default OS image to boot from every time device starts up.</li> <li>■ First available mode to boot from the first responding server in order to balance loads.</li> </ul>  |
| Application Licence Management and Metering    | <ul style="list-style-type: none"> <li>■ Wyse Streaming Manager provides the infrastructure to collect information about the application licence-usage across the enterprise. This information allows IT organisations to save money associated with application licences.</li> </ul>   | <ul style="list-style-type: none"> <li>■ Licences can be stored for all the applications deployed. It also enforces licence compliance.</li> <li>■ Types of licences that can be controlled include:                             <ul style="list-style-type: none"> <li>- Time-based licences (valid for X days).</li> <li>- Number of concurrent users.</li> </ul> </li> </ul> |
| Modes of Operation                             | <p>Wyse Streaming Manager allows administrators to choose modes of operation for the operating system:</p> <ul style="list-style-type: none"> <li>- <b>Private Mode</b> – for administration of operating system images.</li> </ul>   | <ul style="list-style-type: none"> <li>- <b>Shared Mode</b> – has two additional modes of normal operation:                             <ul style="list-style-type: none"> <li>- <i>Volatile</i> – returns desktop to pristine state after a device reboot.</li> <li>- <i>Persistent</i> – remembers any user settings after a device reboot.</li> </ul> </li> </ul>            |
| Remote Servers for Scalability                 | <ul style="list-style-type: none"> <li>■ IT administrators can deploy multiple remote servers to improve scalability of the overall solution.</li> </ul>  | <ul style="list-style-type: none"> <li>■ Central management of remote servers allows easy deployment of the solution across different geographic locations.</li> </ul>  |
| Comprehensive Reporting                        | <ul style="list-style-type: none"> <li>■ Easy ad-hoc reporting based on flexible parameters.</li> <li>■ Reports are delivered through HTML, giving you the flexibility to output in any form.</li> </ul>  | <ul style="list-style-type: none"> <li>■ Licence-metering reports can be used to make proactive purchasing decisions.</li> <li>■ Licence-audit reports can be used for compliance purposes.</li> </ul>  |
| Desktop Compatibility                          | <ul style="list-style-type: none"> <li>■ Wyse Streaming Manager works with Wyse V class thin computers, as well as with existing thin computers, personal computers, and virtual-desktop systems.</li> </ul>  |   |

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