Wyse Thin OS

Secure Simplicity for Thin Computing

The Wyse Thin OS is the most optimized solution for Citrix ICA (Presentation Server, Desktop Server, and Access Essentials), Microsoft RDP (Terminal Services), and VMware VDI environments. This ultra-thin operating system boots in seconds, automatically updates itself, and delivers the administrative simplicity that IT needs. And, with an unpublished API, Wyse Thin OS is one of the most secure operating systems on the market.

Wyse Thin OS is ideal for departments and organizations that need support for Citrix ICA, Microsoft RDP, or VMware VDI environments. It delivers a fast boot time, virus and malware immunity, and outstanding performance in a thin-computing environment.

Wyse Thin OS offers the utmost security and protection from viruses and malicious software because the operating system does not have a publicly exposed API that can be exploited by hackers. Also, since Wyse Thin OS centrally stores and manages all data and applications, desktop devices store no data, further protecting sensitive information. Image management is automated via DHCP and FTP, while Wyse Device Manager (formerly Rapport) handles additional remote device management.

Wyse Thin OS is designed and optimized for VMware Virtual Desktop Infrastructure (VDI) environments, adding awareness of and support for VDI-specific technologies, including connection brokers and secure HTTPS connections.

Wyse Thin OS requires a minimum of 32MB of RAM on any thin device. It is supported on the Wyse S10 and Wyse V10 thin clients.

Sold and Supported by:

Features	Benefits
RDP and ICA session support via a straightforward connection manager	Choose one or both of the leading thin computing session access protocols
Multiple session support with true seamless windows	Increases user productivity by enabling multiple applications to run with a fully functional and familiar user interface
Significantly faster remote application execution performance than most thin clients	The ultra-thin and highly optimized Wyse Thin OS software achieves fast and responsive performance with modest low-cost hardware. Performance is typically up to 3x of other thin clients even those with more powerful microprocessors
Image loading via DHCP and ftp	Permits reconfiguration, firmware upgrades, and customized configurations either from an administration server or other desktops
Plug-and-play connectivity	Simple and fast to install, connect, and use out of the box
USB mass storage support	Plug and play support for USB keychain drives. Supports drive mapping in ICA and RDP sessions.
Data security and integrity	No data is stored on the thin client, so it cannot be lost or stolen
Integrated 10/100 Ethernet connectivity	Connect to high-speed networks
No fans or disks	No motors results in lower power consumption, quiet operation, and ultra-high reliability (very high MTBF)
Wyse Device Manager software	Remote management including configuration, device health, reboot, and more
Small and compact unit	Readily fits into most any workspace, as well as "out of the way" mounting options
Three-year Buyer's Protection Plan	Assurance of reliability, availability, and performance, from the #1 thin computing vendor

About Wyse Thin Computing

Because Wyse thin clients have no moving parts, they deliver greater reliability, availability, and lower cost of ownership than other solutions. With no local storage, malware is dealt with at the server level, where it's easier to detect. There is also no way to remove information, so sensitive data stays on the server and remains compliant with privacy regulations.

Today our software makes it easy to manage, update, and even service any thin client from one central location. Additionally with solid-state technology, Wyse thin clients are nine times more reliable than PCs because there are no moving parts. And even if a device does fail, the data remains instantly available on the server.

Wyse S10 shown with horizontal standard feet

Wyse V10L shown with standard vertical feet

Wyse S10 Thin Client

The Wyse S10 is the smallest, most optimized thin client on the market. The functional and compact chassis has USB 2.0 plus serial ports, and fits unobtrusively on or under a desk, or can be easily mounted on a wall.

Wyse V10L Thin Client

The Wyse V10L provides additional expansion opportunities with parallel and PS/2 ports. A DVI-I connector allow for the connection of digital or analog monitors, or both via an optional splitter cable.

Hardware	Wyse S10	Wyse V10L
Processor	AMD Geode GX 366Mhz	Via C7 Eden 800Mhz
Memory	32MB flash/64MB RAM	128MB flash/128MB RAM
I/O Peripheral Support	■ Enhanced USB keyboard with PS/2 mouse port and Windows keys (104 keys) ■ PS/2 mouse included ■ VGA-type video output (DB-15) ■ One serial port ■ Four USB 2.0 ports (2 on front, 2 on back)	■ Enhanced USB keyboard with PS/2 mouse port and Windows keys (104 keys) ■ PS/2 mouse included ■ One DVI-I Port ■ One DVI-I Port to VGA (DB-15) Adapter ■ Dual-video Support with: - Optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately) ■ Two serial ports, One parallel port ■ Three USB 2.0 ports (1 on front, 2 on back)
Networking	■ 10/100 Base-T Fast Ethernet twisted pair (RJ-45)	■ 10/100 Base-T Fast Ethernet twisted pair (RJ-45)
Display Support	■ VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate ■ 16-bit/64K colors: 1280x1024@100Hz 1600x1200@90Hz ■ 24-bit/16.7M colors: 1280x1024@85Hz	■ VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate (note Linux only supports 24-bit color) ■ Single Monitor at 32-bit color or 24-bit color: - 1600x1200@85Hz 1600x1200@85Hz - 1920x1080@60Hz 1920x1080@60Hz ■ Dual Monitors used simultaneously (with optional monitor splitter cable) - 1280x1024x32bpp@60Hz - 1280x1024x24bpp@60Hz
Audio	■ Output: 1/8-inch mini, full 16-bit stereo, 48KHz sample rate ■ Input: 1/8-inch, 8-bit mini microphone	■ Output: 1/8-inch mini, full 16-bit stereo, 48KHz sample rate ■ Input: 1/8-inch, 8-bit mini microphone
Physical Characteristics: Height / Width / Depth / Shipping Weight	1.38 inches (34mm) 6.94 inches (177mm) 4.75 inches (121mm) 6 lbs. (2.7kg)	7.9 inches (201mm) 1.8 inches (46mm) 7.1 inches (180mm) 8 lbs. (3.6kg)
Mountings	Horizontal feet, Optional vertical stand Optional VESA mounting bracket Built-in Kensington security slot (cable sold separately)	Vertical foot, Optional horizontal feet Optional VESA mounting bracket Built-in Kensington security slot (cable sold separately)
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz Average power usage with device connected to 1 keyboard, 1 PS/2 mouse, and 1 monitor: 5.6 Watt-hours	Worldwide auto-sensing 100-240 VAC, 50/60 Hz 17.2 Watts/hour average power usage with device connected to 1 keyboard, 1 PS/2 mouse, and 1 monitor
Temperature Range	Horizontal and Vertical positions: 50° to 104° F (10° to 40° C)	Horizontal position: 50° to 95° F (10° to 35° C) Vertical position: 50° to 104° F (10° to 40° C)
Humidity	20% to 80% noncondensing	20% to 80% noncondensing

Hardware

		Wyse S10 Thin Client	Wyse V10L Thin Client
Regulatory Compliance:	Ergonomics Safety RF Interference Environmental	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick RoHS Compliant	German EKI-ITB 2000, ISO 9241-3/-8 cULus 60950, TÜV-GS, EN 60950 FCC Class B, CE, VCCI, C-Tick WEEE, RoHS Compliant
Warranty		Three-year limited warranty	Three-year limited warranty

Software

Wyse Thin OS

Features	Features	Use/Benefit
ICA	Basic ICA features and functionality	■ Maximum 1680x1050 resolution with 24-bit color depth ■ Memory and persistent cache ■ International keyboard support ■ Browsing (TCP/HTTP) ■ Disconnect & Reconnect ■ Encryption, up to 128 bit strength ■ Printer support ■ COM port support ■ Bidirectional audio (client to server is new) ■ Clipboard ■ Multi-farm support via PN Agent ■ Password expiration in PN Agent ■ Roaming user reconnect ■ International time zone support ■ Dual monitor session spanning
	ICA version-8 client compatibility with seamless windows	Provides access to Citrix Presentation Server with version-8 compatibility and functionality, enabling an end-user experience such that published applications have the same (seamless) appearance, operation, and desktop integration as do locally run applications
	SSL/TLS Encryption	Enables a secure connection between the Wyse Thin OS ICA client and a Citrix server.
	Secure Gateway Support via the Program Neighborhood Agent	Enables secure access from remote locations to any application hosted on Citrix Presentation Server.
	Browsing Acceleration	Faster downloading and faster scrolling of images within web pages, and hence a faster overall browsing experience by compressing image data transferred to the thin client
	Audio input (from the client to the server)	Ability to accept audio input and pass it to a server for processing
RDP	Support for network printers on a Microsoft LAN	Ability to print from the thin client to a printer connected onto a LAN
	Serial port mapping	Enables the use of a serial port attached to a thin client in a terminal services session
	Dual monitor session spanning	Ability to use a single RDP session spanning across two displays, when connected with the optional dual-monitor splitter cable.
	Enhanced responsiveness to end-user interactions with the system and with application software	Results in faster startup time and more responsiveness, especially when network bandwidth is limited (by disabling certain desktop options such as wallpaper and animations)

Software

	Features	Use/Benefit
Other/Both	Support for USB Drives	Plug and play connectivity with USB keychain drives. Supports drive mapping in ICA and RDP sessions.
	Enhanced user interface for viewing and editing network settings and connection properties	End-users have a simple and easy way to view and edit their network settings and connection properties
	Support for touch screens from Elo	Integrated driver support enabling touch screens to be connected to the thin client via serial port
	USB sync with Palm and IPAQ PDAs	Integrated driver support enabling Palm and PocketPC types of PDAs to be connected to the thin client and synced with the end-user's data, via the OneBridge sync for Palm PDAs and ActiveSync for PocketPCs
	Straightforward printer selection in either RDP or ICA sessions	Simple user interface that facilitates the selection of up to four printers found on a Microsoft network (all printers found are presented in a tree view)
VDI	Support for industry-standard connection brokers	Ability to connect to server-based desktop virtual machines automatically via connection brokers from Citrix, VMware, and others.
	Support for secure HTTPS connection	Allows thin clients to connect through secure HTTPS links to server-based desktop virtual machines