Wyse® Winterm™ V50

The Most Feature Rich, Highest Performing, Linux-Based Thin Client

Enable workers to cost-effectively run application software at any workspace with inherent immunity from viruses and malicious software. The "install and go" quality of Wyse® thin clients managed by Wyse™ Rapport® keeps maintenance and total cost of ownership at a minimum. Powered by the open, extensible, and royalty-free Linux operating system, the model V50 delivers responsive local and remote application and browsing performance, and offers rich peripheral connectivity in a sleek and compact enclosure.

Wyse Technology, 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 Wyse® Winterm™ V50 includes a powerful 1GHz CPU; smart card slot; CardBus/PCMCIA slot; and serial, parallel, and USB ports. Video performance is fast and crisp, minimizing eyestrain and meeting stringent health and ergonomic requirements. The Winterm V50 runs a Wyse-enhanced version of the Linux 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 V50 is diskless and application installation and execution is fully managed, it is inherently secure from viruses and other malicious software attacks.

The Winterm V50 offers a broad range of mounting options for any work environment via its innovative monorail mounting system that allows the unit to be conveniently attached to a wall, a desk, under a work space, within a cash register, or any space constrained environment.

As with all Winterm thin clients, the Winterm V50 comes bundled with Wyse™ Rapport® (Workgroup edition), the enterprise client management tool that leverages the value of your IT infrastructure for maximum ROI.

Features	Benefits
True 1GHz x86 CPU coupled to a high resolution 24-bit video controller	Delivers superior performance to CPU emulating architectures and high resolution video systems for fast display updates and local application performance
PC/SC smart card reader support	Provides 2-factor secure logon and free-seating to roving users
Innovative monorail mounting system	Zero desktop footprint and enhanced physical security is ideal for wall, desk, or under workspace mounting
32-bit CardBus/PC-Card expansion slot with physical restraint	Supports a broad array of add-on hardware peripherals, with removal prevention
Broad connection options: 2 serial, 1 parallel, 2 PS/2, audio in, headphone/speaker out, and 3 USB 2.0 ports	I/O rich, ready for all your peripheral needs and can take advantage of high speed peripherals, such as mass storage with USB 2.0 support
Wyse Linux V6 operating system	Secure and robust operating system based on version 2.6 of the Linux Kernel
Wyse Add-On technology	Ability to add new native features to the Linux OS
Free seating	Instantly access personal desktops from anywhere in the network
Stateless plug-and-play configuration	Saves install and set up time and reduces support costs
Native X Windows, text emulations, RDP 5.1, ICA® 8.0 protocols	Simultaneously access multiple applications in a heterogeneous environment
Firefox web browser and media player	Stable and well-known browser with rich plug-in support; a media player that plays industry-standard media types
Wyse™ Rapport® (Workgroup edition) client management software	"Visit-free" total control — remote management, upgrades, and configuration from administrator's console
Three-year hassle-free limited warranty	Assurance of reliability, availability, and performance from the industry leader

Software

Linux-Based Thin Client	
■ Based on version 2.6 of the Linux kernel ■ 128MB flash and 256MB DDR RAM (standard)	■ Integrated Microsoft RDP, Citrix ICA protocols, and terminal emulation protocols standard ■ Integrated Firefox browser[1]

Firmware Features	
■ Wyse-enhanced optimized Linux Kernel 2.6.x ■ Firefox browser standard ■ X11R6 local Windows manager ■ Password-protected setup ■ Support for four virtual desktops ■ Compressed read-only file system ■ NFS and Samba file system support ■ LPR/LPD, Ghostscript and Samba print support for	Deskjet and Laserjet ■ Browser kiosk support with touch screen ■ Citrix ICA 8.0[1] ■ RDP 5.1 compatible[1] ■ X11R6 compliant X Windows ■ XDMCP ■ Terminal emulation emulates 60 terminal types[2]

Server OS Compatibility/Support	
■ Citrix WinFrame, MetaFrame ■ UNIX/Linux servers ■ IBM AS400	■ Microsoft Windows NT Server 4.0, Terminal Server Edition, Windows 2000 Server, and Windows 2003 Server

Set-Up and Configuration	
User interface ■ Boot from local flash ■ User interface language: U.S. English, French, German	■ Keyboard language support: U.S. English standard; French, German, Italian, U.K. English, 30 others included

Protocol Support	
■ TCP, IP, NFS, NTP, DHCP, PXE, SNMP, SSH	

Management	
■ Remote management, configuration, and upgrades through Wyse Rapport client management software version 4.4.1 or later[1] ■ Complete image upgrade ■ Wake terminal remotely (Wake-on-LAN)	■ Terminal configuration (IP information, name, etc.) ■ Reporting ■ Remote screen shadowing of entire desktop (VNC) ■ Asset management

Hardware

Processor	
■ True x86 CPU clocked at 1 GHz	

Input/Output/Peripheral Support	
■ Two serial ports and one parallel port ■ Three USB 2.0 ports ■ Keyboard: USB with Windows keys (104 keys) included[3] ■ CardBus/PCMCIA card slot	■ Mouse: PS/2 mouse included ■ Local printers via USB, parallel, serial, ethernet ■ VGA-type video output (DB-15) ■ Internal smart card reader (factory installed option)[4]

Networking	
■ 10/100Base-T Fast Ethernet, twisted pair (RJ-45) ■ Wi-Fi wireless LAN connectivity via external USB	and CardBus adapters (available separately)

Display Support[5]	
■ VESA monitor support, with Display Data Control (DDC) for automatic setting of resolution, and refresh rate	**Display resolution** **Color depth** 1280x1024 @ 100Hz 16-bit, 64K colors 1600x1200 @ 85Hz 16-bit, 64K colors 1280x1024 @ 100Hz 24-bit, 16.7M colors

Audio[5]	
■ Output: 1/8-inch mini, full 16-bit stereo, 48 KHz sample rate	■ Input: 1/8-inch 8-bit mini microphone

Physical Characteristics (H x W x D)	
■ Height: 7.9 inches (201mm) ■ Width: 1.8 inches (46mm) ■ Depth: 7.1 inches (180mm) ■ Shipping weight: 8lbs (3.6kg)	■ Built in Kensington security slot (cable lock sold separately) ■ Optional mounting bracket for installation wall and monitor installation sold separately ■ Vertical foot included (as shown at right); optional horizontal feet sold separately

1.8"

7.9"

Accessories and Add-Ons	
■ Accessory, option, and add-on information can be found at www.wyse.com/products/accessories	

Environmental	
Temperature range ■ Operating: 32° to 104°F (0° to 40° C) ■ Storage: -14° to 140°F (-10° to 60° C) ■ Convection cooling, fanless design	**Humidity** ■ 20% to 80% noncondensing **Operating altitude range** ■ 0 to 10,000 feet (0 to 3,050 meters)

Power	
■ Worldwide auto-sensing 100-240 VAC, 47-63 Hz	■ Average power usage: 17.2 Watts (set-up: device connected with 1 PS/2 keyboard, 1 PS/2 mouse, and monitor)

Regulatory compliance			
Ergonomics ■ German EKI-ITB 2000 ■ ISO 9241-3/-8	**Safety** ■ cULus 60950 ■ TÜV-GS ■ EN 60950	**RF interference** ■ FCC Class B ■ CE ■ VCCI	■ C-Tick

Warranty	
■ Three-year limited warranty	

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WYSE

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[1]Contact Wyse for the latest versions. [2]Ericom-PowerTerm® Terminal Emulation. [3]International keyboards are provided in a localized product kit and may be sold separately. [4]Omnikey smart card reader. [5]Monitor, speakers, and microphone not included.

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