



# Wyse Linux

## Adaptable Security and Flexibility for Thin Computing

Wyse Linux delivers the flexibility to run Citrix ICA or Microsoft RDP, a local browser or terminal emulation, even local X Window applications. With expanded smart-card security and wireless networking options, Wyse Linux is the ideal choice for secure and flexible thin computing.

Wyse Linux is a powerful Linux-based operating system optimized for thin computing. It is ideal for organizations who want to run server-based Microsoft Windows applications, local Linux applications or distributed X Window applications. Wyse Linux comes with the Firefox web browser to give you a secure Internet experience. And it offers terminal emulation to give you the ability to run legacy applications.

Our free-seating capabilities allow people to log in to different thin computers without losing their desktop configuration. And Wyse designed our Linux to be modular, allowing you to add-on or remove features as necessary to improve your performance and cost advantages. It also offers a secure read-only file system that provides the highest protection against software corruption and virus attacks. The file system is compressed to maximize space for additional software applications.

New with Wyse Linux are improved wireless support (including 802.11a/g/b) and authentication; better smart-card support and authentication; and enhanced localization, with double-byte Asian language support.

Wyse Linux requires a minimum of 64MB of flash memory and 128MB of RAM on any device. It runs on the Wyse S50, Wyse V50, and Wyse V50 Dual-Video thin computers.

**Sold and Supported by:**

### Features

Wyse Linux 6.3

Supports industry-standard wireless adapters

Supports LDAP and SMB Authentication through Pluggable Authentication Modules (PAM)

Supports PC/SC and CCID smart-card standards

Support for latest Citrix ICA client (version 9.0), including digital dictation for ICA

Includes Firefox web browser

Updated X-Window System

Supports on-the-fly language switching and double-byte Asian language support

Simplified FTP imaging

PDA Sync Support

Supports local operation without server

### Benefits

Performance-tuned Linux for thin computers.

Connect wirelessly using fast wireless adapters available from third parties. Support for industry standards allows you to connect to wireless access points in enterprise environments using the most secure wireless protocols.

Provides easy wireless authentication of thin computers through Windows Server authentication (SMB) and LDAP.

Supports a wide range of industry standard smart card readers. Provides two-factor secure login through RDP sessions and ICA sessions.

Allows you to use the latest ICA features, including USB PDA Sync, Windows Key Passthrough, and NTLM Proxy Authentication. Also supports digital dictation in ICA sessions, so that users can record meeting notes via microphone.

Provides Internet access via the award-winning web browser. Protects from viruses, spyware, and pop-ups.

Supports X-Window System 6.8.2 to give you maximum compatibility for your applications.

Allows you to deploy Wyse Linux in more countries with more users. Supports Chinese, Japanese, and Korean language (through add-on coming soon), with the ability to switch languages without rebooting.

Allows faster and smoother upgrades, with single-reboot imaging.

Allows users to synchronize data with Windows CE and Palm PDAs.

Allows local storage of SSL certificates and terminal-emulation client settings, for easier deployment of kiosk-mode browser and terminal emulation-based solutions.

## About Wyse Thin Computers

Because Wyse thin computers 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 computer from one central location. Additionally with solid-state technology, Wyse thin computers 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 S50



The Wyse S50 is the smallest, most advanced Linux-based thin computer 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.

## Hardware

Processor	AMD Geode GX
Memory	64MB Flash/128MB RAM Other configurations (up to 1GB/1GB) available
I/O Peripheral Support	<ul style="list-style-type: none"><li>▪ VGA-type video output (DB-15)</li><li>▪ Enhanced USB keyboard with PS/2 mouse port and Windows keys</li><li>▪ PS/2 mouse included</li><li>▪ One serial port</li><li>▪ Four USB 2.0 ports (2 on front, 2 on back)</li></ul>
Networking	<ul style="list-style-type: none"><li>▪ 10/100 Base-T Fast Ethernet twisted pair (RJ-45)</li><li>▪ Optional USB Wi-Fi adapter</li></ul>
Display Support	<ul style="list-style-type: none"><li>▪ VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate</li><li>▪ 16-bit/64K colors:<ul style="list-style-type: none"><li>up to 1280x1024@100Hz</li><li>up to 1600x1200@90Hz</li></ul></li><li>▪ 24-bit/16.7M colors:<ul style="list-style-type: none"><li>up to 1280x1024@85Hz</li></ul></li></ul>
Audio	<ul style="list-style-type: none"><li>▪ Output: 1/8-inch mini, full 16-bit stereo, 48KHz sample rate</li><li>▪ Input: 1/8-inch, 8-bit mini microphone</li></ul>
Physical Characteristics: Height	1.38 inches (34mm)
Width	6.94 inches (177mm)
Depth	4.75 inches (121mm)
Shipping Weight	6 lbs. (2.7kg)
Mountings	Horizontal feet (optional vertical stand) Optional VESA mounting bracket Built-in Kensington security slot (cable sold separately)
Power	Worldwide auto-sensing 100-240v VAC, 50/60 Hz 5.6 Watts/hour average power usage with device connected to 1 keyboard, 1 PS/2 mouse, and 1 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
Environmental	WEEE
Internal Wireless	
Warranty	Three-year limited warranty

## Wyse V50 Dual-Video



The mid-range Wyse V50 Dual-Video thin computer delivers the Linux performance you need; dual-video support (with purchase of optional monitor splitter cable); 128MB Flash, 256MB DDR RAM; a CardBus/PCMCIA slot; plus serial, parallel, and USB ports. Using the same form-factor as the Wyse V50, the Wyse V50 Dual-Video can fit easily into most work environments.

Via C7 Eden

128MB Flash/256MB DDR RAM  
Other configurations (up to 2GB/1GB) available

- One DVI-I Port
- One DVI-I Port to VGA (DB-15) Adapter (included)
- Dual-video support with:
  - Optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately)
- Enhanced USB keyboard with PS/2 mouse port and Windows keys
- PS/2 mouse included
- One serial port
- One parallel port
- Three USB 2.0 ports (1 on front, 2 on back)
- CardBus/PCMCIA card slot

- 10/100 Base-T Fast Ethernet twisted pair (RJ-45)
- Optional external USB 802.11b/g wireless adapter

- VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate
- Single Monitor at 24-bit/16.7M colors:
  - up to 1600x1200@85Hz
  - up to 1920x1080@60Hz
- Dual Monitors used simultaneously (requires optional monitor splitter cable) at 24-bit/16.7M colors:
  - up to 1280x1024@60Hz

- Output: 1/8-inch mini, full 16-bit stereo, 48KHz sample rate
- Input: 1/8-inch, 8-bit mini microphone

7.9 inches (201mm)  
1.8 inches (46mm)  
7.1 inches (180mm)  
8 lbs. (3.6kg)

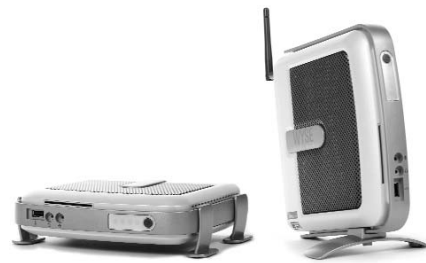
Vertical foot (optional horizontal feet)  
Optional VESA mounting bracket  
Built-in Kensington security slot (cable sold separately)

Worldwide auto-sensing 100-240v VAC, 50/60 Hz  
17.2 Watts/hour average power usage with device connected to 1 keyboard, 1 PS/2 mouse, and 1 monitor

German EKI-ITB 2000, ISO 9241-3/-8  
cULus 60950, TÜV-GS, EN 60950  
FCC Class B, CE, VCCI, C-Tick  
WEEE, RoHS Compliant

Three-year limited warranty

## Wyse V50



The high-performance Wyse V50 includes a powerful CPU; optional internal WiFi solution, optional smart card slot; CardBus/PCMCIA slot; plus serial, parallel, and USB ports. The Wyse V50 offers a broad range of mounting options via its innovative monorail mounting system that allows the unit to be conveniently attached to a wall, desk, or in any space-constrained environment.

Via C3

128MB Flash/256MB DDR RAM  
Other configurations (up to 2GB/1GB) available

- VGA-type video output (DB-15)
- Enhanced USB keyboard with PS/2 mouse port and Windows keys
- PS/2 mouse included
- Two serial ports
- One parallel port
- Three USB 2.0 ports (1 on front, 2 on back)
- CardBus/PCMCIA card slot
- Optional internal smart-card reader
- Optional internal 802.11b/g wireless solution

- 10/100 Base-T Fast Ethernet twisted pair (RJ-45)
- Optional internal 802.11b/g wireless solution
- Optional external USB or CardBus 802.11b/g wireless adapter

- VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate
- 16-bit/64K colors:
  - up to 1280x1024@100Hz
  - up to 1600x1200@85Hz
- 24-bit/16.7M colors:
  - up to 1280x1024@100Hz

- Output: 1/8-inch mini, full 16-bit stereo, 48KHz sample rate
- Input: 1/8-inch, 8-bit mini microphone

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FCC Class B, CE, VCCI, C-Tick  
WEEE  
47CFR Part 15, Subpart C (USA); RSS-210 (Canada); EN301 489-1 & -17 (Europe); AS/NZS 4771 (Australia/New Zealand); Telec 2006 (Japan); MIC RRL (Korea); SRRC CMII (China)

Three-year limited warranty

## Wyse Linux 6.3

### Firmware Features

- Wyse-enhanced optimized Linux Kernel 2.6x
- Firefox browser standard
- X11R6 local window manager
- 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 9.X
- RDP 5.1 compatible
- X11R6-compliant X-Windows
- XDMCP
- Terminal emulation with 60 terminal types

### Server OS Compatibility/Support

- Citrix Metaframe and Presentation Server
- UNIX/Linux servers
- Terminal Server Edition
- Windows 2000 Server
- Windows 2003 Server

### Set-up and Configuration

- User interface
- Boot from local flash
- User interface languages: U.S. English, French, German, Spanish
- Keyboard language support: U.S. English, French, German, Spanish, U.K. English, 30 other languages included

### Protocol Support

- PPP
- IP
- NFS
- NTP
- DHCP
- PXE
- SNMP
- SSH

### Management

- Remote management, configuration, and upgrades through Wyse Device Manager
- Complete image upgrade
- Wake terminal remotely (Wake-on LAN)
- Terminal configuration (IP information, name, etc.)
- Remote screen shadowing of entire desktop (VNC)
- Asset management and Reporting

### Wireless support

- WPA/802.11i, WPA2, IEEE 802.1X
- Supports wireless adapters from: Cisco, D-Link, Netgear
- Internal WiFi WPA2 supplicant support: WEP40, WEP128, WPA-PSK (TKIP), WPA2-PSK (AES-CCMP), WPA-EAP, WPA2-EAP, MS-CHAP-v2

Software



**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  
Germany 49 (0) 89 4600990  
India 91 80 4154 8888  
Japan 81-3-5288-8511  
Korea 82-2-6001-3782  
Singapore +65-6728-9973  
UK 44 (0) 1189 342200  
United States 408 473 1200

**Wyse Sales:**  
800 GET WYSE  
(800 438 9973)

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<http://www.wyse.com>

**Or send email to:**  
[sales@wyse.com](mailto:sales@wyse.com)

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