

Wyse® V class™ cloud clients

WYSE



EarthSmart Computing™



Versatility on your desktop.

Wyse V class: All you need to know. Here.



Introducing the Wyse V class cloud clients

The Wyse V class family of cloud clients present a compelling offer of versatility and performance.

Powerful energy saving CPUs are at the heart of Wyse V class' expandable but compact size that features a host of connections including DVI for crisp displays and a unique monorail mounting system allowing the device to be mounted under desks, to walls and even to the rear of desktop monitors.



Wyse V class: Features fast boot-up times and dual display option.



Wyse V10LE
Wyse ThinOS for fast boot up times.



Wyse V30LE
Featuring Microsoft Windows CE.



Wyse V50LE
Featuring Wyse Linux v6.



Wyse V90LE
Featuring Microsoft Windows XP embedded.



Wyse V90LEW
Featuring Microsoft Windows Embedded Standard.



Wyse V00LE
Cloud PC for use with Wyse WSM



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Features Wyse V class cloud clients

The Wyse V class family of versatile cloud clients has been created to combine expandability, power and performance in a compact space-saving desktop device. The family is complemented by the Wyse cloud computing software range that features a fast operating system, provisioning, management and virtualization applications designed to deliver the best PC experience in a cloud computing environment.

The Wyse V class is available with Wyse ThinOS, Wyse Linux v6, Microsoft Windows CE, XP Embedded and Embedded Standard operating systems and a model for use with Wyse WSM.

Learn more: Simply click the Wyse V class feature icons below:

Performance



LE Family Connectivity



Mounting Options



Green



Cloud PC Provisioning



Thin Client Management



User Experience Optimization



User Experience Acceleration



Wyse ThinOS



Wyse Linux v6



Microsoft Windows CE



Microsoft Windows XP Embedded



Microsoft Windows Embedded Standard



Visit: wyse.com



Take a tour of the Wyse V class range features here



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Performance

Expandability. Power. Performance.

Reflecting the needs of ever changing desktop environments the Wyse V class range has the expandability, power and performance to match.

Driven by powerful energy saving Via C7 Eden processors the Wyse V class range of cloud clients present an all-round high performance and versatile desktop computing platform. Adding an extra monitor is simple with built-in dual video. Expanding functionality is straightforward with an optional PC-Card expansion slot. Five operating systems are available - as well as zero client versions that enable you to 'provision' your users with their individual choice of operating system and applications.

Choose the WiFi wireless options to deploy the Wyse V class across a range of desktop environments without compromising data security.



Via C7 Eden 1.2 GHz

The Via C7 Eden processors inside every Wyse V class deliver excellent performance with low energy use.

Adding a second monitor is simple with an optional splitter cable



And, just like all Wyse cloud clients, they don't have hard drives, so all your users' data remains safely on the server, eliminating the risks from data loss or malicious viruses.

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V class LE Family Connectivity

Wyse V10LE, V30LE, V50LE, V90LE, V90LEW thin clients & V00LE cloud PC



Well connected

Two PS/2 ports

Audio In: 1/8-inch mini jack,
8 bit stereo microphone

Audio Out: 1/8-inch mini jack,
16 bit stereo

Three external USB 2.0 ports
(1 front; 2 back)

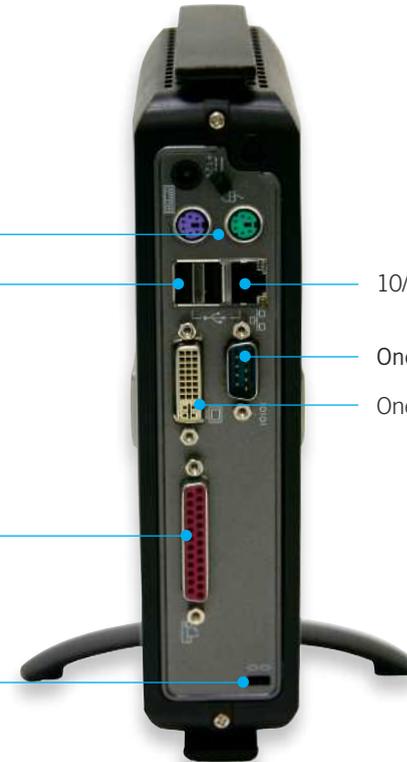
One parallel port

Kensington Lock Slot

Options:

Internal smart card reader

Antenna connection for internal wireless



10/100 Base-T Ethernet port

One serial port

One DVI-I port

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Mounting options



Back of monitor or wall mounting

- An optional VESA mount bracket enables the Wyse V LE Family of cloud clients to be mounted on the back of a monitor (this requires the four industry standard mounting points to be free). The same bracket can be used for wall mounting, or in a secure or ruggedized cabinet if required.



Optional feet

- Wyse V class cloud clients are supplied as standard with feet for vertical use, and optional feet for horizontal use.

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Desktop computing Without compromise



That's Wyse EarthSmart Computing



EarthSmart Computing™



Going Green with Wyse cloud computing

Through our EarthSmart Computing initiative we are committed to helping organizations implement a greener computing strategy - one that delivers a more efficient and productive computing experience for your users with a positive effect on energy wastage, heat and carbon emissions.

Green Power

Wyse V class thin clients draw as little as 13 to 15 watts of power*, create very little heat and - as a result - contribute to cooler user working environments, greatly reduced carbon footprints and huge savings in energy costs, when compared to equivalent PC desktops.

*Average power usage with 1 device connected to 1 keyboard, 1 PS/2 mouse, and 1 monitor.

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Cloud PC Provisioning Wyse WSM



Enterprise computing from the cloud is here. Whatever you want. Wherever you need it.

That's the thinking behind Wyse WSM. It's a dynamic on-demand streamed computing environment where everyone gets their preferred operating systems, applications, user data and documents: Wherever they are and whenever they need them.

And Wyse WSM goes beyond the traditional VDI model too - with full support for mobile workers and remote branch offices. Wyse WSM effectively changes the rules on what's possible and opens up the benefits of high performance desktops to enterprise users: Wherever they are.

Better than a PC could ever be.

With Wyse WSM users - such as those in the financial or retail industries - are given a fresh computer with their chosen PC operating system, applications and files all preloaded and ready-to-go, every time they sit down and start-up their powerful desktop devices known as Wyse 'cloud PCs'.

Wyse cloud PCs feature powerful processors that enable them to run full PC operating systems and applications locally, while keeping their documents and data secure on central Wyse WSM servers. Enabling existing PC users to continue to use all their familiar operating systems and applications seamlessly - but with greater reliability and better overall performance than a full PC - with the result that many users don't even realize they're using a cloud PC.

And - better still, Wyse WSM features a highly secure, robust and resilient network design that's ideal for remote offices and mission critical deployments such as the defence industry.

With everything managed, updated, configured remotely and securely, Wyse WSM is everything a PC promises. Minus the headaches.

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Thin Client Management Wyse Device Manager

Wyse Device Manager (WDM) addresses key management requirements for deploying powerful thin clients. With its centralized management and administration WDM helps IT departments deliver more effective remote thin client support while minimizing end user downtime. Security is assured with HTTPS based imaging, updates and downloads.

WDM delivers organization-wide benefits:

Operations	Centralized management. Collect and organize asset information.
Administration	Health status reports. Automated client settings. Update client firmware and add applications.
End User IT Costs	Easier more effective remote support. Create custom scripts and packages.
Minimize downtime	Restart or reset thin clients in less than a minute. Enforce policies. Minimize user errors.

At a glance features:

Security

- HTTPS Based Imaging / Updates
- Fully Encrypted Network Traffic
- Delegated Admin Access (MS AD) Support

No-Hassle Deployment

- Complete Device Imaging / Patching / Updates
- Bandwidth Throttling for Efficiency / Reliability
- Software Updates and Add-ons

Device Administration and Monitoring

- Device Health Status / Reporting
- Remote Shadowing / Control
- Default Device Configuration

Scalability

- Distributed Architecture
- Microsoft SQL Database Support
- Multiple Remote Repository Support

Complete Asset Visibility

- Automated device discovery
- Detailed Hardware Asset information
- Installed Software Asset information.

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User Experience Optimization Wyse TCX™ Suite with Collaborative Processing Architecture™

Wyse TCX delivers an amazing user experience in one software suite.

Wyse TCX Suite of virtualization software enriches the user experience by removing the limitations previously associated with thin clients. It enhances, not replaces, key protocols like ICA/HDX and RDP by adding key features to make each more valuable.



Multi-display

Ensures application windows and dialog boxes are multi-monitor aware when using more than one monitor.



USB Virtualization

Enables plug and play peripheral support for virtual desktop environments.

- Redirect and use local USB devices in virtual desktops.
- Deploy virtual desktops to knowledge workers with special device access needs.
- Enable a broad set of USB peripherals including webcams and headsets.



Multimedia acceleration

Streamlines the delivery of video and audio content to the local client for a rich user experience within a thin client computing architecture.

- Accelerates Mpeg1, Mpeg2, WMV, Mpeg4 Part 2, AC3, AAC, MP3, WAV, WMA media types.
- Collaborative Processing Architecture enhances server scalability, and network utilization by off-loading multimedia rendering to the client.



Flash acceleration

Flash acceleration helps thin client users to experience improved Flash video performance. While the Flash player continues to run server-side, the resulting images are transcoded and redirected to the client for fast rendering. The technology allows for greater control of frame rate and compression and supports enhanced playback of YouTube-style flash videos in Internet Explorer.



Bi-directional sound

Enables bi-directional audio in virtual desktop environments, enabling solutions such as VOIP, digital dictation or voice recognition to be deployed.

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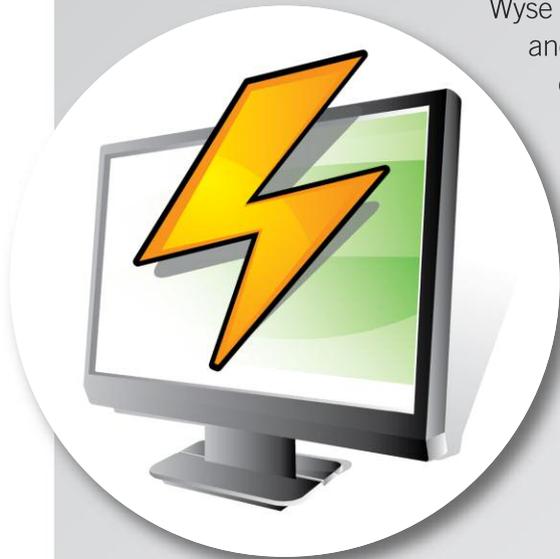
Virtualization Software Wyse Virtual Desktop Accelerator

Removing the barriers of network latency

Wyse Virtual Desktop Accelerator (VDA) enables virtualized desktop and thin computing environments to be deployed to areas where network latency has, to date, presented operational barriers. Now, with Wyse VDA, more users can receive the full benefits of Wyse thin computing – with the best PC experience over virtualized desktops.

Wyse VDA is a software-only solution for Wyse thin clients and supported PCs that delivers the best user experience for the allocated network bandwidth by neutralizing the effects of network latency and packet loss. Making 'thin' suitable for more remote-site, branch, or field-based users.

Wyse VDA works with instead of replacing existing RDP and ICA protocols, accelerating them by up to 20 times on networks faced with latencies up to and beyond 300ms, and at least 768kbps bandwidth.



At a glance features:

- Software-only acceleration of virtual desktops and applications
- Accelerates existing Citrix ICA and Microsoft RDP protocols
- Works on WANs and 'fat, long pipes'
- Accelerates connections to Citrix XenApp, Citrix XenDesktop, VMware View and Microsoft Terminal Server and Microsoft Hyper-V VDI
- Enhances Wyse TCX software suite functionality across wide-area networks
- Enables Wyse Collaborative Processing Architecture across wide-area networks
- Administrator console provides control of maximum bandwidth per connection
- Leverages built-in security of underlying protocols (128-bit encryption for RDP and ICA).

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Operating Systems Wyse ThinOS 7

Wyse ThinOS is the most secure, management-free solution for cloud and virtual computing environments with built-in support for the latest infrastructures including Citrix, Microsoft, VMware and other vendors.

Fast. Simple. Secure

This fast, purpose-built thin computing platform boots up in seconds, updates itself automatically, and provides IT managers with simple, scalable administration to suit their organization's needs. Security is assured too as there's no published API – giving you an environment that's immune from malware.

Management is simple with time consuming tasks such as software and configuration updates automated via central file servers (ftp, http, and https) where Wyse thin clients can check-in for their updates. So, whether you have 10, 100 ...or 1000 devices, rolling out a new update is as easy as dropping a file onto your file server.

New Zero Launchpad optimizes Virtual Desktop Deployments

By harnessing the power of the new Wyse Zero engine, Wyse ThinOS delivers fast and secure desktops with user experiences based on an individual's access levels.

Logging on is fast and easy too with no double desktop dramas. There's just one screen for inputting their credentials before users are immediately presented with their assigned desktop(s).

Finally, the new Wyse Zero toolbar gives advanced users the option to switch between multiple virtual desktops or modify local settings (i.e. display resolution)– all without leaving their virtual desktop environment.

Wyse ThinOS delivers a wealth of innovative, user-oriented and productive features:

Instant-on, simple access for users

- New Zero launchpad and Zero toolbar adapt to provide simple and advanced access depending on user privileges.
- With class-leading boot-up times, users are ready to login in seconds.

Automated Management

- Wyse ThinOS enables simple, scalable device management from day one without the need for basic management software.
- For more in depth management Wyse ThinOS features complete integration with Wyse Device Manager.

Security

- Featuring an unpublished API and no file system, Wyse ThinOS is inherently secure providing maximum security from malware and viruses.
- Secure remote access using Citrix Access Gateway (CSG mode) or VMware Security Server, including dual authentication with RSA SecureID.

Best HDX and RDP in a non-windows client

- Support for latest HDX features including multimedia playback, USB webcam remoting, new audio codecs for VoIP, dual factor authentication, etc.
- Wyse is the only vendor with an RDP 7 compatible client on non-windows OS - other vendors use RDESKTOP (based on RDP 5.x)
- ICA and RDP performance outperforms other non-windows clients by 3x (on comparable hardware).
- Enhance existing protocols further with Wyse TCX (i.e. Multicasting, high latency support, USB on terminal server, etc)

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Operating Systems Wyse Linux v6

Wyse Linux v6 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 v6 comes with the Firefox web browser to give you a secure internet experience. Plus it offers terminal emulation to give you the ability to run legacy applications.

Secure, flexible access

Wyse Linux's hot-desking capabilities allow people to log in to different thin clients without losing their desktop configuration. Wyse Linux is modular too, 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. In addition the file system is compressed to maximize space for additional software applications.

Wyse Linux is a powerful Linux-based operating system optimized for Wyse thin computing.

Improved wireless and smart card authentication and support

New with Wyse Linux v6 is improved wireless support (including 802.11 g/b) and authentication, better smart card support and authentication and enhanced localization with doublebyte Asian language support.

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Operating Systems Microsoft Windows CE

Wyse-enhanced Microsoft Windows CE is ideal for departments and organizations that want a Microsoft end-to-end solution, and support for Citrix ICA, Microsoft RDP and VMware View as well as a local browser and terminal emulation, plus standard connections to peripherals and add-ons.

Microsoft Windows CE gives you a PC-like experience on the desktop, with local terminal emulation so you can run most legacy applications.

By combining this small and fast operating system with firmware components, Wyse is able to reduce boot times and increase protection against viruses, trojan horses, and other malware.

The result is a simply more secure solution that provides the flexibility to add standard peripherals, from printers to scanners to USB thumb drives. However these peripherals can only be connected under access controlled by the IT administrator.



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Operating Systems Microsoft Windows XP Embedded

Running Microsoft Windows XP Embedded on Wyse thin clients gives IT departments the ability to support Citrix ICA, Microsoft RDP and VMware View environments and deploy fully functional desktops with better manageability and significantly lower total cost of ownership than personal computers.

Wyse Enhanced Microsoft Windows XP Embedded-based thin clients can run 32 bit Microsoft Windows applications, either locally or from servers located on the network, with inbuilt flexibility to add and support a host of desktop peripherals with permission from the IT administrator.



Secure write-protected thin desktops

This robust and flexible operating system is further enhanced by the Wyse file-based Write Filter that enables you to protect the file system image from accidental changes or user customization.

On rebooting, the thin client simply returns to the required file system image state.

Wyse customized image support

Wyse technicians are able to help you customize Windows XP Embedded to your exact requirements and create bespoke system images for subsequent enterprise-wide deployment, management and update through Wyse Device Manager.

Contact your Wyse Partner for further details.

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Operating Systems Microsoft Windows Embedded Standard 2009

Running Windows Embedded Standard (WES) on Wyse thin clients gives IT departments the ability to deploy fully functional desktop clients with better manageability and significantly lower total cost of ownership than personal computers.

Wyse WES 2009-based thin clients can run 32 bit Microsoft Windows applications, either locally or from servers, with the inbuilt flexibility to add and support a host of desktop peripherals with permission from the IT administrator.



Full support is provided for RDP 7.0, Citrix ICA 11.2, VMware View 4.0.1 and Internet Explorer 8.

Secure write-protected thin client desktops

This robust and flexible operating system is further enhanced by the Wyse file-based Write Filter that enables you to protect the files, folder and/or entire volumes from

accidental changes or user customization. On rebooting, the thin client simply returns to its original state thus preventing any possible damaging modification either from users or malware.

Wyse customized image support

Wyse technicians are prepared to help you customize Windows Embedded Standard 2009 to your exact requirements in order to create custom-built images for subsequent enterprise-wide deployment, management and update through Wyse Device Manager.

Contact your Wyse Partner for further details.

Take the Tour again



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**Wyse offers cloud client computing sales, service
and support expertise around the globe.**

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Technical Wyse V class Specifications

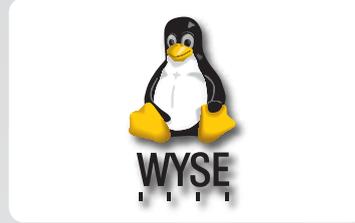
Wyse V10LE, V30LE, V50LE,
V90LE, V90LEW thin clients
& V00LE Cloud PC



Wyse
ThinOS

Wyse
ThinOS

Wyse Linux v6



Microsoft Windows
CE 6.0 WFR3



Microsoft
Windows XPe



Microsoft Windows
Embedded Standard 2009



Wyse V class cloud clients are available across a variety of operating systems featuring the speed, ease and administrative simplicity of Wyse ThinOS, the functionality of Microsoft Windows CE, the versatility of Microsoft Windows XP Embedded, the power of Microsoft Windows Embedded Standard and the robust adaptability of Wyse Linux.

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Wyse V class LE Family Hardware Specifications Wyse V10LE, V30LE, V50LE, V90LE, V90LEW thin clients and V00LE cloud PC

Processor	Via C7 Eden 1.2GHz	Audio	Output: 1/8-inch mini jack full 16 bit stereo, 48KHz sample rate Input: 1/8-inch mini jack, 8 bit microphone
Memory	128MB Flash / 512MB DDR2 RAM (Wyse ThinOS) 128MB Flash / 512MB DDR2 RAM (Windows CE and Linux V.6) 1GB Flash / 1GB RAM - up to 2GB Flash / 1GB RAM (Windows XPe) 2GB Flash / 1GB DDR2 RAM (Windows Embedded Standard) 0MB Flash / 1GB RAM (Wyse WSM)	Physical characteristics	Height: 7.9 inches (201mm) Width: 1.8 inches (46mm) Depth: 7.1 inches (180mm) Shipping weight: 8 lbs. (3.6kg)
I/O peripheral support	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) Enhanced PS/2 keyboard with Windows keys PS/2 optical mouse included One serial port One parallel port Three USB 2.0 ports (1 on front, 2 on back)	Mountings	Vertical foot (optional horizontal feet) Optional VESA mounting bracket
Networking	10/100 Base-T Fast Ethernet twisted pair (RJ-45) Optional external USB 802.11 b/g wireless adapter	Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: 13.2 Watts/hour
Factory options	Internal Smart Card reader Internal wireless option eliminates theft of external wireless adapters CardBus /PCMCIA card slot	Temperature Range	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
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate Single Monitor at 32 bpp color: up to 1920x1200 (Wyse ThinOS), 1920x1440 (Windows CE), 1920x1080 at 23bpp (Linux V.6), 1920x1080 at 32 bpp (Windows XPe) Dual Monitors used simultaneously (requires optional monitor splitter cable) at 32 bpp color: up to 1280x1024 (Wyse ThinOS), 1680x1050 (Windows CE), 1280x1024 @ 24 bpp (Linux V.6), 1920x1080 at 32 bpp (Windows XPe)	Security	Kensington Lock Slot
		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, RoHS Compliant
		Warranty	Three-year limited warranty



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Wyse ThinOS 7 Specifications

HDX Ready client	<ul style="list-style-type: none"> • HDX Mediastream • HDX Realtime • HDX IntelliCache • HDX Broadcast (Branch Repeater) 	<ul style="list-style-type: none"> • HDX Plug-n-Play • Progressive Display • Desktop Restart (XenDesktop) • Smartcard authentication and redirection 	<ul style="list-style-type: none"> • Flash (server rendered) • Seamless Windows • Session Reliability • Access Gateway Support (CSG mode)
RDP 7.x Compatible client	<ul style="list-style-type: none"> • Up to 32-bit color depth connections • Smartcard authentication and redirection • Rich Multimedia (TS MMR) 	<ul style="list-style-type: none"> • Broad USB Support (with Wyse TCX) • WAN Acceleration (with Wyse VDA) • Flash Video support (with TCX) 	<ul style="list-style-type: none"> • Network Level Authentication (NLA) • True Multi-Monitor Support
VMware View 4.x client	<ul style="list-style-type: none"> • Smartcard Authentication • Restart VM • Bi-directional Audio (with TCX) 	<ul style="list-style-type: none"> • SSL Tunneling • Multimedia Support (with TCX) • Flash Video Support (with TCX) 	<ul style="list-style-type: none"> • SecureID Authentication • Broad USB Support (with TCX) • WAN Acceleration (with VDA)
Roaming smart card vendor support	<p>Enables smart card users to not only roam from station to station but also access the same virtual environment support regardless of which station they are connecting from. Wyse ThinOS provides 'out-of-the-box' smart card support for vendors such as Gemalto .NET, Aladdin, and ActiveIdentity – supported within Citrix, VMware and Microsoft environments. Users benefit from secure login and roaming desktop support so they can access their environments from any suitably equipped Wyse thin computing environment. DoD CAC supported.</p>		
Wyse TCX Suite	<p>Wyse TCX Suite virtualization software works with <i>and enhances</i> HDX and RDP protocols featuring:</p> <ul style="list-style-type: none"> • Multimedia – giving users the power to run rich multimedia files formats • Multi-Display – windows and dialog boxes behave the way users expect across multiple displays. • USB Virtualizer – client attached USB devices are visible to virtual desktops applications, and administrators. • Rich Sound – receive and transmit high quality audio without compromise. • Flash Acceleration – helps users of thin clients to experience improved Flash performance. 		
Wyse Virtual Desktop Accelerator	<p>Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth.</p>		
Management made easy	<p>Fast booting, scalable administration includes simple drag and drop placement of firmware, automatic updates via file server and full integration with Wyse Device Manager.</p>		
Security built in	<ul style="list-style-type: none"> • With no published API Wyse ThinOS is inherently secure from viruses and malware. • Wyse ThinOS includes robust wired and wireless 802.1x support, with secure encryption for simple installation and management. • DoD CAC supported. 		
Server OS Infrastructure Support	<ul style="list-style-type: none"> • Citrix XenDesktop • VMware View 	<ul style="list-style-type: none"> • Citrix XenApp / Citrix Presentation Server • Support for other leading VDI brokers (Quest Software, Leostream, etc) 	<ul style="list-style-type: none"> • Microsoft Windows Terminal Server 2003 / 2008



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Wyse Linux v6 Software specifications

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 10.X
RDP 5.1 compatible
X11R6-compliant X-Windows
XDMCP
Terminal emulation with 60 terminal types

Server OS Infrastructure Support

Citrix XenApp / Citrix Presentation Server
Citrix XenDesktop
VMware View
Microsoft Windows Terminal Server 2003 & 2008
UNIX & Linux servers

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/802.11, 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



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Microsoft Windows CE 6.0 WFR3 Software specifications

Firmware features

Microsoft Windows CE 6.0 WFR3
Microsoft Internet Explorer 6.0 resident:
HTML, JavaScript, XML, Active X as custom
Citrix ICA 10.x resident
Citrix Web Interface
RDP 6.0 resident
VMware View Client Resident
CCID compliant Smart Card Readers support
Ericom PowerTerm® Terminal Emulation
provides 30-plus terminal emulation
Jetcet 5.0
Media Player 9.0
Terminal Services Advanced Client (TSAC)
ThinPrint ICAVC and Thinprint RDP
VNC support in CE 6.0
WinCE 6 eStar B category certification

Server OS Infrastructure Support

Citrix XenApp / Citrix Presentation Server
Citrix XenDesktop
VMware View
Microsoft Windows Terminal Server 2003 / 2008

Set-up and Configuration

User interface
Boot from local flash

Protocol Support

TCP/IP, DNS, DHCP, PXE, PPP, PC/SC and ISO-7816
smart-card support

Management

Remote management, configuration and upgrades
through Wyse Device Manager
Send messages
Complete image upgrade
Wake terminal remotely (Wake-on LAN)
Terminal configuration (IP information, etc)
Remote screen shadowing of entire desktop
(Wyse Remote Shadow)
Reporting
Altiris Deployment via add-on

Wireless support

802.11 b/g/n support with internal wireless adapter
IEEE 802.1X
WEP, WPA, and WPA-2 wireless authentication
Internal WiFi default encryptions: MD5, PAP, TLS
Supports USB wireless adapters from:
Cisco, D-Link, Netgear, US Robotics, Trendware



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Technical

Print

WYSE
I I I I

Microsoft Windows XP Embedded SP3 Software specifications

Firmware features	Microsoft Windows XP Embedded SP3 Microsoft Internet Explorer 7.0 resident: HTML, JavaScript, XML, Active X Sun JRE, Media Player, Citrix Web Interface RDP 6.0.xx resident Citrix ICA 11 resident VMware View Client Resident Ericom PowerTerm [®] Terminal Emulation provides 30-plus terminal emulations Windows Media Player 11, .NET 3.0 SP1
Memory	1GB of flash memory and 1GB of RAM
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Microsoft Windows Terminal Server 2003 & 2008
Set-up and Configuration	Boot from local flash Microsoft Windows XP user interface languages: U.S. English, French, German, Spanish, Optional add-ons
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
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 (Wyse Remote Shadow)

Reporting, Asset management
SMS
Altiris

Wireless support 802.11 b/g/n support with internal wireless adapter
WPA-2, WEP, WPA wireless authentication
Supports wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware

Plug-ins Adobe Flash Player
Adobe Shockwave

Wyse TCX Suite Advanced support for innovative Wyse TCX Suite virtualization software that both works with *and enhances* ICA and RDP (instead of replacing them) featuring:

- Wyse TCX Multimedia - the power to run rich multimedia files formats utilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the client and the server.
- Wyse TCX Multi-Display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor.
- Wyse TCX USB Virtualizer - makes client attached USB devices visible to virtual desktops and applications, with full IT control.
- Wyse TCX Rich Sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise.
- Wyse TCX Flash Acceleration - helps users of thin clients to experience improved Flash performance.



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Microsoft Windows Embedded Standard 2009 Software specifications

Firmware features	Microsoft Windows Embedded Standard 2009 Microsoft Internet Explorer 8.0 resident: HTML, JavaScript, XML, Active X Sun JRE, Media Player, Citrix Web Interface RDP 7.0 resident Citrix Online Plugin 11.2 resident (ICA 11.2) VMware View 4.0.1 client resident Ericom PowerTerm® Terminal Emulation provides 30-plus terminal emulations Windows Media Player 11, .NET 3.5
Server OS Infrastructure Support	Citrix XenApp / Citrix Presentation Server Citrix XenDesktop VMware View Microsoft Windows Terminal Server 2003 & 2008
Application Framework	.Net 3.5
Security	File Based Write Filter (FBWF) Microsoft Baseline Security Analyzer (MBSA)
Set-up and Configuration	Boot from local flash Microsoft Windows WES user interface languages: U.S. English, French, German, Spanish, Optional add-ons
Keyboard language support	U.S. English (standard), French, German, Spanish, U.K. English, 40 other languages included
Protocol Support	TCP/IP, DNS, DHCP, PXE
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 (Wyse Remote Shadow)
Reporting, Asset management
SMS
Altiris

Wireless support

802.11 b/g/n support with external wireless adapter or internal wireless adapter option
WPA-2, WEP, WPA wireless authentication
PEAP-GTC wireless authentication protocol with optional Juniper Odyssey Client
Supports PC-Card wireless adapters from: Cisco, D-Link, Netgear, US Robotics, Trendware

Plug-ins

Adobe Flash Player
Adobe Shockwave
Microsoft Silverlight

Wyse TCX Suite

Advanced support for innovative Wyse TCX Suite of virtualization software that both works with *and enhances* ICA and RDP (instead of replacing them) featuring:

- Multimedia acceleration - the power to run rich multimedia files formats utilizing Wyse Collaborative Processing Architecture (CPA) that intelligently redirects the necessary processing tasks between the thin client and the server.
- Multi-display - ensures that windows and dialogue boxes behave the way users expect when using more than one monitor.
- USB Virtualization - makes thin client-attached USB devices visible to virtual desktops and applications, with full IT control.
- Bi-directional sound - enables virtual desktops and applications to receive and transmit high quality audio without compromise.
- Flash acceleration - helps users of thin clients to experience improved Flash performance.



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WYSE
I I I I



Wyse V class

Wyse V class cloud clients

Versatility
on your desktop

Summary data

Wyse V class cloud clients

Versatility and performance

Reflecting the needs of ever changing desktop environments the Wyse V class range has the expandability, power and performance to match.

Driven by powerful energy saving Via C7 Eden processors the Wyse V class range of cloud clients present an all-round high performance and versatile desktop computing platform. Adding an extra monitor is simple with built-in dual video support. Expanding functionality is straightforward with an optional PC-Card expansion slot. Five operating systems are available – as well as a cloud PC version that enables you to ‘provision’ your users with their individual choice of operating system and applications.

Secure desktop computing

Choose the WiFi wireless options to deploy the Wyse V class across range of desktop environments without compromising data security. And, just like all Wyse cloud clients, they don't have hard drives, so all your users' data remains safely on the server, eliminating the risks from data loss or malicious viruses. A unique monorail mounting system allows mounting discretely under desks, to walls and even to the rear of desktop monitors.

Provisioning and Virtualisation software

The Wyse V class is well suited to take advantage of Wyse WSM provisioning software and the Wyse TCX Suite of virtualization software.

Choice of operating systems

The Wyse V class is available with Wyse ThinOS, Microsoft Windows CE, XP Embedded and Embedded Standard 2009 and Wyse Linux v6 operating systems as well as Wyse WSM configured cloud PC format.

Features

Performance

Via C7 Eden 1.2GHz processors feature inside every Wyse V class delivering excellent performance with low energy use.

Connectivity

The Wyse V class supports fixed and wireless networking, serial, video, sound and smart card connectivity.

Mounting options

Supplied with a vertical foot as standard and optional horizontal standing feet. Can also be mounted to walls, under desks and to the rear of monitors.

Green

Draws just between 13 to 15 watts of power when connected to one keyboard, PS/2 mouse and monitor.

OS and Application Provisioning

Full integration with Wyse WSM provisioning software with the VOOLE.

Management

Features Wyse Device Manager (workgroup edition).

Virtualization

Delivers the best user experience through full support for the Wyse TCX Suite of virtualized desktop enhancement software and Wyse VDA - acceleration software that reduces the effects of network latency.

Wyse ThinOS

Fast booting, easy management, secure and with Smart Card support.

Wyse Linux V6

Powerful Linux-based operating system optimized for thin computing.

Microsoft Windows CE 6.0 WFR3

Ideal for departments and organizations that need simple support for Citrix ICA and Microsoft RDP.

Microsoft Windows XP Embedded

Deploy fully functional desktop computers, with better manageability with the ability to create bespoke system images.

Microsoft Windows Embedded Standard 2009

Take advantage of the power of Microsoft Windows Embedded Standard 2009.

Wyse V class LE family cloud clients Hardware specifications

Wyse V10LE, V30LE, V50LE, V90LE, V90LEW thin clients and V00LE cloud PC

Processor	Via C7 Eden 1.2GHz
Memory	128MB Flash / 512MB DDR2 RAM (Wyse ThinOS) 128MB Flash / 512MB DDR2 RAM (Windows CE and Linux V.6) 1GB Flash / 1GB RAM - up to 2GB Flash / 1GB RAM (Windows XPe) 2GB Flash / 1GB DDR2 RAM (Windows Embedded Standard) 0MB Flash / 1GB RAM (Wyse WSM)
I/O peripheral support	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) Enhanced PS/2 keyboard with Windows keys PS/2 optical mouse included One serial port, and 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) Optional external USB 802.11 b/g wireless adapter
Factory options	Internal Smart Card reader Internal wireless option eliminates theft of external wireless adapters CardBus /PCMCIA card slot
Display	VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate Single Monitor at 32 bpp color: up to 1920x1200 (Wyse ThinOS), 1920x1440 (Windows CE), 1920x1080 at 23bpp (Linux V.6), 1920x1080 at 32 bpp (Windows XPe) Dual Monitors used simultaneously (requires optional monitor splitter cable) at 32 bpp color: up to 1280x1024 (Wyse ThinOS) 1680x1050 (Windows CE), 1280x1024 @ 24 bpp (Linux V.6), 1920x1080 at 32 bpp (Windows XPe)
Audio	Output: 1/8-inch mini jack full 16 bit stereo, 48KHz sample rate Input: 1/8-inch mini jack, 8 bit microphone
Physical characteristics	Height: 7.9 inches (201mm) Width: 1.8 inches (46mm) Depth: 7.1 inches (180mm) Shipping weight: 8 lbs. (3.6kg)
Mountings	Vertical foot (optional horizontal feet) Optional VESA mounting bracket
Power	Worldwide auto-sensing 100-240 VAC, 50/60 Hz Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: 13.2 Watts
Temperature Range	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
Security	Kensington Lock Slot
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, RoHS Compliant
Warranty	Three-year limited warranty

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