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Dell Wyse T10 909566-02L Thin Client Network Computer User Guide

Contents

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Introducing the Dell Wyse T10

The new standard for entry level
Great to use. Great to manage Dell Wyse T class thin clients deliver an exceptional Citrix, Microsoft, and VMware VDI user experience with unparalleled security, ease of use, and ease of management – on a budget. Two products are available: the Dell Wyse T10 with Dell Wyse ThinOS, and the Dell Wyse T50 with Dell Wyse enhanced Ubuntu™ Linux.

Users will find them easy to live with too, enjoying vibrant multimedia and Flash that plays in VDI, the power of their Marvell ARMADA™ PXA 510 v7 1.0 GHz System-on-Chip (SoC) processors and the hands-off support provided by Dell Wyse Automated Management capability

Features Dell Wyse ThinOS for fastest performance with instant-on start up, easy centralized configuration, total security and an exceptional entry-level client for Citrix XenDesktop, VMware View, and Microsoft Remote Desktop Services (RDS).

Features

The best user experience. On a budget.
Dell Wyse T class thin clients are compact, affordable and flexible entry level thin clients. They deliver the best Web, Citrix, Microsoft and VMware VDI user experience and performance to IT executives needing to equip their task workers with an enterprise standard client on a budget. Dell Wyse T class thin clients deliver this with an array of features found across the premium range of Dell Wyse cloud clients.

Performance

No compromise performance boost.
The Dell Wyse T class features a Marvell ARMADA™ PXA 510 v7 1.0 GHz system-on-chip (SoC) delivering better performance than the older 1.2GHz technology, over remote protocols like RDP. Coupled with its built-in hardware media processor the Dell Wyse T class delivers smooth multimedia, bi-directional audio and Flash playback performance.

Dell Wyse T class processor
Dell Wyse T class features an ARMADA™ PXA 510 v7 1.0 GHz SoC and is ready to work in under 20 seconds (under 5 seconds on the T10).

Connectivity

Dell Wyse T class standard configuration, connects right out of the box.
Unlike other entry level budget clients, Dell Wyse T class thin clients arrive ready to connect to a huge array of environments including web based applications and services and work seamlessly within Citrix, Microsoft and VMware environments. Users can enjoy two monitors using the DVI-I display option and high speed networking with support for Gigabit Ethernet and optional integrated b/g/n WiFi.

Mounting options

The Dell Wyse T class family can be placed horizontally or vertically (with optional feet) on desktops, mounted to walls and even behind monitors.

Desktop Computing

Without compromise

That's Dell Wyse EarthSmart™ 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
The Dell Wyse Xenith family packs a considerable punch with their green credentials. From reduced manufacturing impact and end-of-life recycling waste, to as little as 7 watts energy consumption, deploying Dell Wyse Xenith zero clients will enable your organization to achieve a lighter carbon footprint.

More information
Download carbon calculators, fact sheets and white papers from here: **www.wyse.com/green**

Operating Systems

Dell 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 viruses and malware. Management is simple with time consuming tasks such as software and configuration updates automated via central file servers (ftp, http, and https) where Dell Wyse thin clients can check-in for their updates. So, whether you have 100, 1000, or 10,000 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 Dell Wyse Zero engine, Dell Wyse ThinOS delivers fast and secure virtual desktops with user experiences based upon an individual's access levels. Logging on is fast and easy too with no double desktop dramas. There's just one screen for inputting credentials before users are immediately presented with their assigned desktop(s). Finally, the Dell Wyse Zero toolbar gives advanced users the option to switch between multiple virtual desktops or modify local settings (e.g. display resolution)– all without leaving their virtual desktop environment.

Innovative, user-oriented and productive features Instant-on, simple access for users

- The 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

- Dell Wyse ThinOS enables simple, scalable device management from day one without the need for complex

management software.

- For enterprise management Dell Wyse ThinOS features complete integration with Dell Wyse Device Manager.

Security

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

Industry best HDX, View, and RDP in a non-windows client

- Support for latest HDX features including ICA UDP audio, accelerated multimedia playback, USB webcam remoting, new audio codecs for VoIP, dual factor authentication, etc.
- Dell Wyse is the only vendor with an RDP 7.1 compatible client on non-windows OS – other vendors use RDESKTOP (based on RDP 6.x)
- ICA and RDP performance outperforms other non-windows clients by 3x (on comparable hardware).
- Enhance existing protocols further with Dell Wyse TCX (i.e. multicasting, high latency optimization, USB redirection into terminal server, etc)

Dell Wyse enhanced Ubuntu Linux is a simple, secure, and easy to manage platform designed for customers looking for flexibility and support of the latest protocols (ICA, RDP, etc) without the need for a Windows-based thin client.

Simple "Hands-Off" Management
Deploying, managing, and updating Dell Wyse enhanced Ubuntu Linux is easier than any other thin- Linux distribution, Period. Utilizing Dell Wyse's proven automatic update and configuration approach, management tasks can be handled centrally and easily without any management software required. Updating 1 or 1,000 thin clients is as simple as dragging and dropping a file into a folder. For customers that desire a little more hands-on approach (such as asset tracking, reporting, etc) then integration with Dell Wyse Device Manager is built-in.

Security
Dell Wyse enhanced Ubuntu Linux is designed with security in mind. IT managers are able to provide a locked-down experience, smartcard login to virtual environments, VPN connectivity, and leverage a read-only file system that protects against data loss, theft and virus attacks

Enterprise-quality Linux optimized by Dell Wyse
Dell Wyse enhanced Ubuntu Linux is the only enterprise-quality Linux platform optimized for thin computing, created by combining the security and flexibility of Ubuntu Linux with Dell Wyse's cloud client computing leadership and innovation in user experience and simplified management.

Flexible, Multi-Protocol Support
Being built from a standard enterprise-quality Linux distribution means the Dell Wyse enhanced Ubuntu Linux supports a wide range of protocols and infrastructures straight out of the box including Citrix, Microsoft and VMware – allowing you to mix-and-match connections from a single image.

That's Dell Wyse enhanced Ubuntu Linux
The only enterprise-quality Linux platform optimized by Dell Wyse for thin client computing. UbuntuTM is a registered trademark of Canonical Group Limited

Thin Client Management

Dell 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
- **Reduce End User IT Costs**

  Reduce energy consumption with scheduled up/down times
- **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

User Experience Optimization

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

Virtualization Software

Removing the barriers of network latency.
Dell 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 Dell Wyse VDA, more users can receive the full benefits of Dell Wyse thin computing – with the best PC experience over virtualized desktops.

Dell Wyse VDA is a software-only solution for Dell 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. Dell 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 Dell Wyse TCX software suite functionality across wide-area networks
- Enables Dell 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).

Technical

The Dell Wyse T class is configured to work with Dell Wyse ThinOS™ and Dell Wyse enhanced Ubuntu™ Linux operating systems. Want to learn more? Simply click the relevant icon.

The best user experience on a budget
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array of features found across the premium range of Dell Wyse cloud clients.

Great to use, great to manage
Dell Wyse T class thin clients deliver an exceptional Citrix, Microsoft, and VMware VDI user experience with unparalleled security, ease of use, and ease of management – on a budget. Two operating systems are available: Dell Wyse ThinOS and Dell Wyse enhanced Linux. Users will find them easy to live with too, enjoying vibrant multimedia and Flash that plays in VDI, the power of their Marvell ARMADA™ PXA 510 v7 1.0 GHz system-on-chip (SoC) and the hands-off support provided by Dell Wyse Automated Management capability. All Dell Wyse T class thin clients are RDP 7 compatible – unique for entry level clients.

No compromise performance boost
The Dell Wyse T class features a Marvell ARMADA™ PXA 510 v7 1.0 GHz system-on-chip (SoC) delivering 150% better performance than the older 1.2GHz technology, over remote protocols like RDP. Coupled with its built-in hardware media processor the Dell Wyse T class delivers smooth multimedia, bi-directional audio and Flash playback performance.

Connects right out of the box
Unlike other entry level budget clients, Dell Wyse T class thin clients arrive ready to connect to a huge array of environments including web based applications and services and work seamlessly within Citrix, Microsoft and VMware environments. Users can enjoy two monitors using the DVI-I display option and high speed networking with support for Gigabit Ethernet and optional integrated b/g/n WiFi.

Saves budget and saves the environment too
Dell Wyse T class thin clients deliver great value from day one and will keep on doing so with a lower TCO than other solutions. All while delivering vital green credentials with its ENERGY STAR Version 5.0 and EPEAT compliance.

At a glance

- **Performance**

  Dell Wyse T class features a Marvell ARMADA™ PXA 510 v7 1.0 GHz system-onchip (SoC) delivering better performance than the older 1.2GHz technology, over remote protocols like RDP.
- **Operating systems**

  Two operating systems are available: Dell Wyse ThinOS (T10), and Dell Wyse enhanced Linux (T50)
- **Connectivity**

  DVI-I interface with optional splitter cable enabling use of 2 monitors. Four USB 2.0 ports, Gigabit Ethernet connectivity and optional WiFi 802.11 b/g/n* support.
- **Management**

  Features Dell Wyse auto-configuration and management software found on premium thin and zero clients. For customers that desire a little more hands-on approach (such as asset tracking, reporting, etc) then integration with Dell Wyse Device Manager is built-in.
- **Multimedia performance**

  Hardware accelerated video decoding for smooth multimedia VC1/WMV9, and H.264 playback.
- **Green**

  Energy Star Version 5.0 and EPEAT compliance. * T10 does not currently support wireless "n".

Specifications

Contact Dell Wyse

Dell Wyse 3471 North First Street, San Jose, CA 95134-1801 Visit our website at: **http://www.wyse.com** or send an email to: **sales@wyse.com**

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International customers, please dial: 00 1 408 473 1200

Dell Wyse Support Portal
Dell Wyse Support Portal provides a fast and accurate way to communicate interactively with Dell Wyse Customer Support, and helps us respond to your requests more quickly.
http://support.wyse.com/selfservice.html

FAQ's

References: Dell Wyse T10 909566-02L Thin Client Network Computer – Device.report