



Cloud client-computing

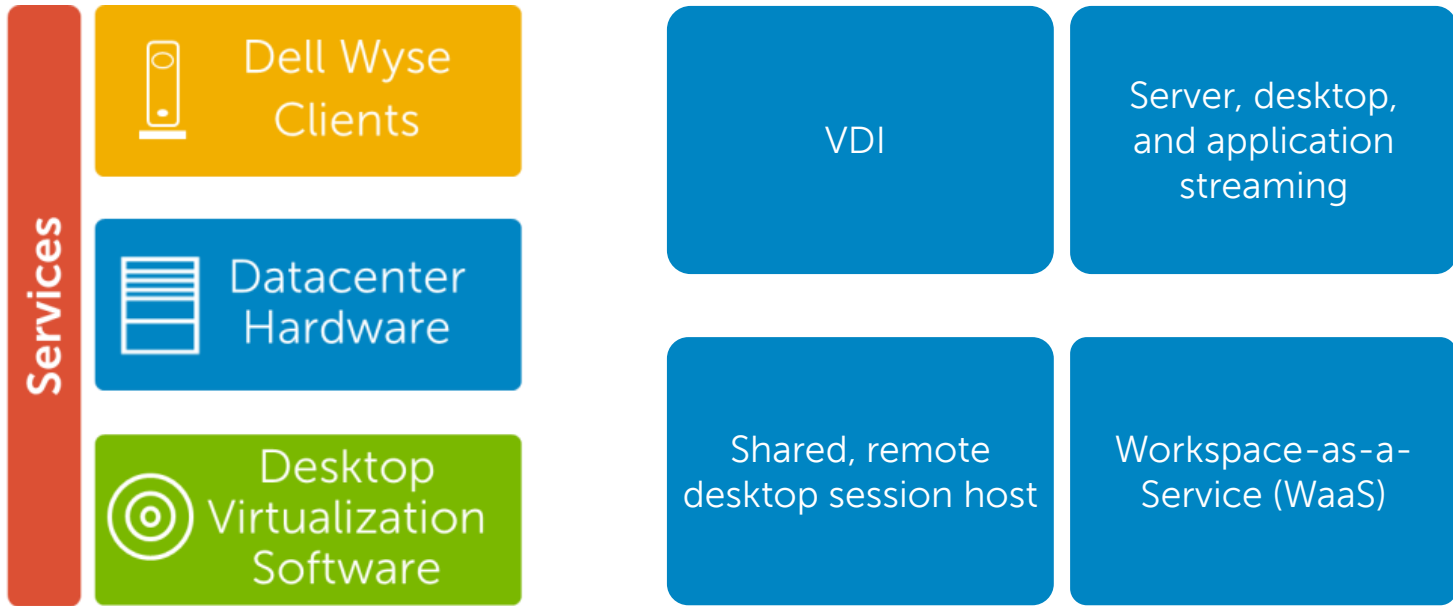
Alberto Roman Mancisidor
Octubre 2014



Dell cloud client-computing offers you new options to build your own cloud

A combination of technologies and services that enable and optimize...

...your choice of cloud / desktop virtualization models



Managing desktops is increasingly challenging

How do you...



“...increase endpoint security?”



“...reduce the time and cost of managing user desktops?”

“...build or redesign call centers, classrooms, or branch offices?”

“...implement a BYOD program?”



“...reduce their desktop energy footprint?”



“...effectively evaluate Citrix XenApp/XenDesktop or VMware Horizon View?”

“...secure their remote and mobile users?”



What we heard from customers. We need...

An easy to carry, secure solution for travelers

A lower cost thin client for business or education

A flexible all-in one solution for space constrained environments

A flexible, cloud managed digital signage solution for retail or transportation

An easy to deploy entertainment and gaming device for telco service providers

Cloud Connect





The world's 1st secure, controlled, and fully managed cloud access device for enterprises

Wyse Cloud Connect allows your users to be more productive at work and on the go while not sacrificing security and manageability.



Secure productivity from work, home, and on the go

Portable enterprise **IT-controlled** HDMI/MHL cloud access device



More Secure

Only Dell offers enterprise flexibility and security



More Control

Only Dell offers enterprise flexibility and manageability



More Reliable

Only Dell can offer flexible connectivity and zero battery

Part of an end-to-end desktop virtualization solution

Work and Travel

Digital Signage

Kiosks

Education

Home



Wyse Cloud Connect Overview



Hardware	Software
CPU: Multi-core Cortex-A9 ARM System-on-Chip (SoC)	OS: to support triple play (voice, data and video)
Flash 8GB up to 40GB	Browser: Chrome
RAM: 1GB RAM	Remote Desktop Apps: Citrix Receiver VMware Horizon View, MSFT RDP
Peripheral support: Bluetooth v4	Google Play Store: Android applications
Wi-Fi : 802.11 a/b/g/n dual band wireless	Security: Device security OS & app level security Desktop & content security
Display: 1080p Full-HD resolution support	Management: Wyse Cloud Client Manager
I/O: MHL/HDMI video interface 1x Mini USB 2.0 for peripherals 1x Micro USB 2.0 host port 1x Micro SD card slot	Cloud Connect Controller: Mouse, keyboard, and D-pad via Android tablet or smartphone.
Power: <2.5W consumption	Touch enabled: Local OS and Remote Desktops

* Used for HDMI qualification
Dell - Internal Use - Confidential

Hardware Specifications

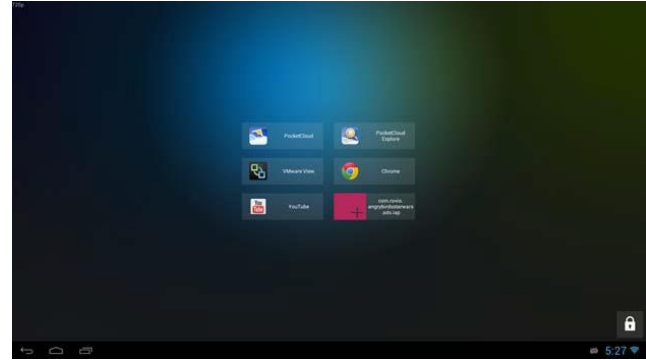
Compact, universal personal cloud key

- Based on high-performance multi-core Cortex-A9 ARM System-on-Chip (SoC)
 - Comprehensive integration of processors and hardware engines
 - Powerful 2D/3D graphics capability
 - Advanced HD video and audio processing capability
- Extremely low power consumption
 - Under 2.5W system power consumption
 - Can be powered through MHL or USB interface
- High resolution video display
 - HDMI/MHL Video interface (at launch)
 - 1080p Full-HD resolution support
- On-board Memory/Flash
 - 1GB RAM 8GB Flash up to 72GB flash via 64GB micro SD
- I/O
 - HDMI/MHL video interface
 - 8 GB Flash memory / 1GB RAM
 - 1x Micro SD card slot (up to 72GB flash storage)
 - 1x Mini 2.0 USB for peripherals (keyboard/Mouse)
 - 1x Micro 2.0 USB port / External power input
 - Touch interface to support multi-touch displays
 - LED power indicator
 - Bluetooth v4 pairing button
- Networking
 - 802.11 a/b/g/n dual band wireless
 - Bluetooth Interface

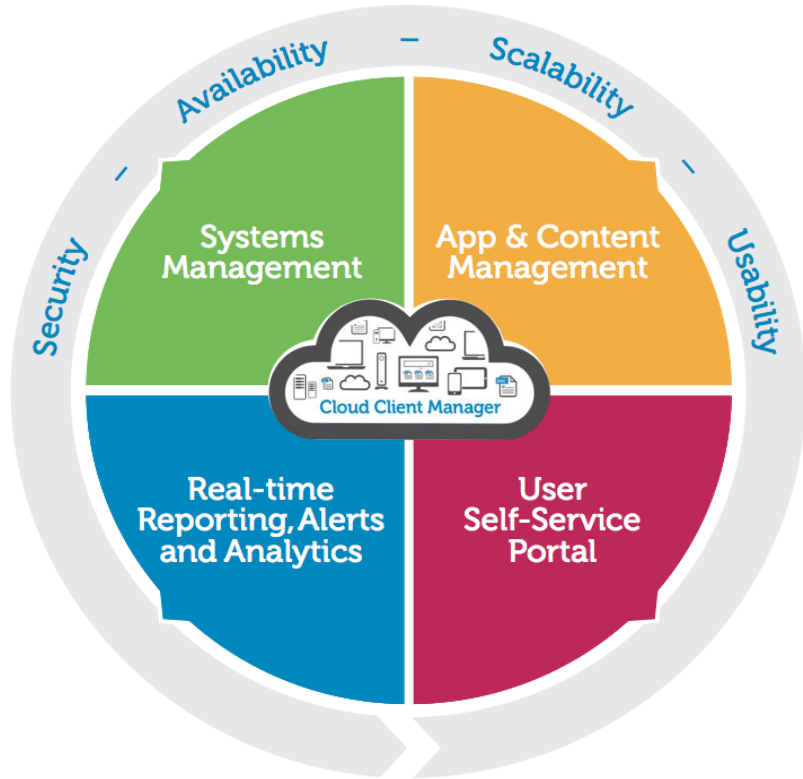


Software Specifications

- Operating System to support triple play (voice, data and video)
- Chrome browser for faster, safer and easier web access
- Access to Google Play store
 - Android applications, music, magazines etc.
- Remote Desktop Environments
 - Citrix
 - Microsoft
 - VMware
- Enterprise level security
 - Device security
 - Operating system & application level security
 - Desktop & content security
- Cloud Connect Controller - Mouse, keyboard, and D-pad via Android tablet or smartphone.
- Touch enabled - Local OS and Remote Desktops



Cloud Client Manager



Wyse Cloud Client Manager is a software as a service offering that empowers IT to securely manage end user devices (e.g. **Cloud Connect**), applications and content from a single, simple console while empowering end users with policy driven self-service capability.

Specifically for Cloud Connect:

- ✓ Systems Management
- ✓ Application & Content Management
- ✓ User Self-Service Portal
- ✓ Real-time Reporting, Alerts & Analytics

Cloud Client Manager Overview

Systems Management

- ✓ Secure, OTA device registration from anywhere
- ✓ Asset inventory , real-time reporting and alerting
- ✓ Wyse thin clients: ThinOS™ and Xenith™
- ✓ Mobile devices: iOS & Android smartphones/tablets

App & Content Management

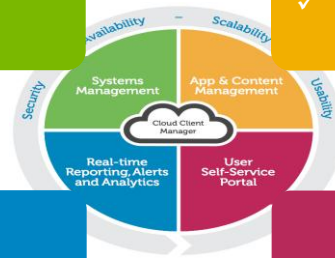
- ✓ Centralized application inventory
- ✓ Application policy enforcement (whitelist/blacklist)
- ✓ Simple enablement of remote desktops/apps/content
- ✓ Wyse PocketCloud™ integration

Real-time Reporting & Alerts

- ✓ Real-time reporting and policy compliance alerts
- ✓ Contextually summarized events for faster insight
- ✓ Simple filter and searching through historical events
- ✓ Detailed audit trails for user and admin functions

User Self-Service Portal

- ✓ Self onboarding of new devices
- ✓ View currently registered devices
- ✓ View policies applied to devices
- ✓ Locate/Lock/Wipe devices (lost phone mitigation)



Wyse Client portfolio: user segments

Thin Zero Clients



Cloud Desktop



Mobile thin client



Cloud Connect



End user types

Task Oriented

Office Worker

Mobile Worker

Power Worker

Thin Clients

- Basic desktop applications
- Lowest cost is primary driver
- Limited user experience is acceptable

Business Office

- Full-desktop experience
- Some multimedia apps

Thin Clients

- Specialty Finance & engineering
- Zero Clients
- 3D Graphics
- Multi-monitors
- Guaranteed high performance

Kiosk

- Specialty & web apps
- Low utilization

Home Based/Remote Users

- Full-desktop experience

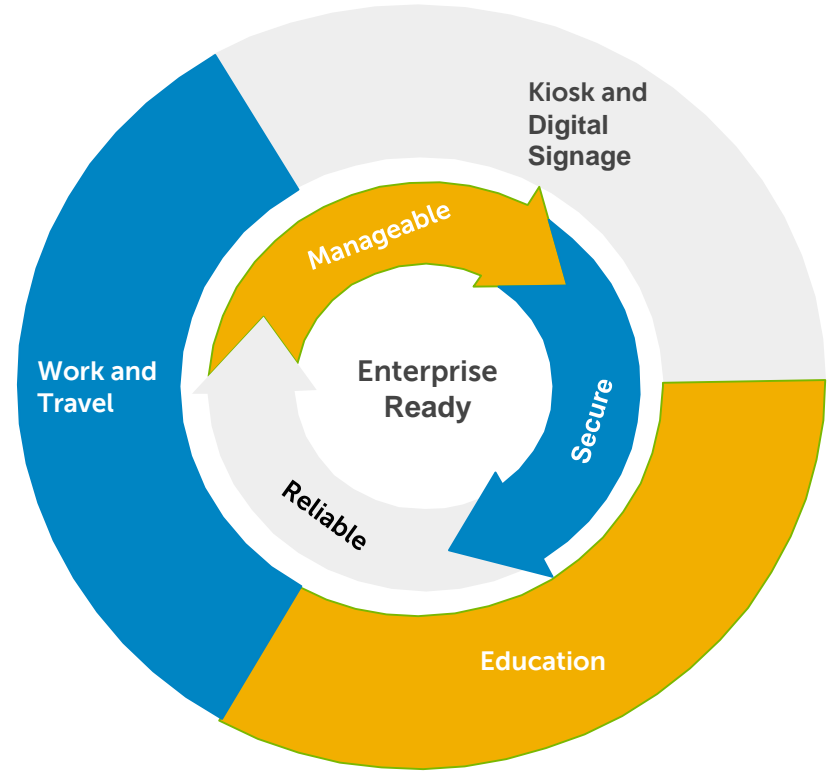
Cloud Connect

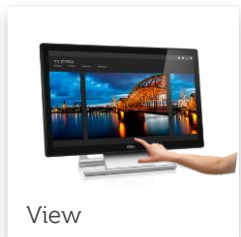
Cloud Client Manager



User Profiles

- **Work and work-while-Traveling**
 - AIO thin client for virtual desktop access in the office, work at home, on the road
 - Emergency access to cloud content if other devices fail
- **Kiosks and Digital Signage**
 - Repurpose any supported display into a low cost all-in-one thin client (Retail, Hospitality, Manufacturing)
 - Simplified digital signage solution (retail, airports).
- **Education**
 - Ultra-low cost thin clients for classrooms, libraries, and labs
 - Take-home access to school
- **Home**
 - Easy to install gaming / entertainment/ cloud
 - Adding work play access to TV at home or friends for sharing content
 - Smartphone or tablet content on big screen





View

Monitors & Projectors

Dell 27 Touch Monitor - P2714T

1920x1080, 2x MHL/HDMI, VGA, DP, USB (4)

Dell 23 Touch Monitor - P2314T

1920x1080, 2x MHL/HDMI, VGA, DP, USB (4)

Dell 20 Touch Monitor - E2014T

1600x900, 2x MHL/HDMI, VGA, DP, USB (2)

Dell Mobile Projectors

- M900HD
- M115HD

Logitech Bluetooth Keyboard - K810

Backlit, low noise keys, low profile keys

Dell Wireless Travel Mouse - WM524

Bluetooth 3.0, long battery life, compact



Create

Kybd and Mice



Secure

Wyse Cloud Client Manager

Wyse Cloud Client Manager

CCM - Starter Tier (1 Organization License), 1 Year Dell ASku#
A6737907 12 Months 906227-01

- CCM - Professional Tier 1 Device, 1 Year
Dell SKU A7122029 12 Months 906227-51
- CCM - Professional Tier 1 Device, 2 Years
Dell SKU A7122030 24 Months 906227-53
- CCM - Professional Tier 1 Device, 3 Years
Dell SKU A7122031 36 Months 906227-55



Cloud Connect accessories enabling users to **securely connect, create and display** for maximum productivity