

MultiClient™

ACCESS AND PRODUCTIVITY
FOR ACADEMIC EXCELLENCE



ViewSonic®
See the difference® 

The MultiClient™ Solution

Secure. Scalable. Manageable.

The ViewSonic® MultiClient™ Solution allows you to easily create your own secure, scalable, private collaborative environment. ViewSonic offers multiple users a way to share a single server with either LAN or USB connectivity, while operating fully independently. ViewSonic delivers an all-in-one turnkey solution that can serve from 10 to hundreds of users at a fraction of the price of traditional installations. Take back control of your network, maximize computer utilization, minimize management costs and reduce energy consumption, all while still providing independent work stations for each user.



MultiClient Key Benefits



Ease of Deployment

- Simple and affordable solution to deploy Cloud (browser-based), Windows® and Linux® desktops
- Effortless out of the box setup and configuration, making set up a breeze
- Does not require a full IT department, set up is designed for users with limited IT experience
- No Learning curve
- Deploy Cloud, Windows® or Linux desktops according to users needs
- Easy to connect, setup and use



Less Maintenance

- Reduced computer stations are reducing IT hours needed to maintain the system
- A single PC powers up to 20 workstations: 10 with USB adapter or 20 with LAN adapter
- USB based plug-and-play devices require no configuration



More Control

- Gives teachers control of what students do
- Centrally monitor and manage each computer station
- Monitor each student to see what they are working on
- Ability to send students messages
- Create or delete student accounts and change passwords
- Share files between students



Easy MultiClient Set Up:

- 1 ViewSonic VMS700 or VMS710 MultiClient Server
- 2 Windows® MultiPoint® Server 2011, Useful Multiplatform™ or Useful Desktop™
- 3 ViewSonic VMA15 USB Adapter or VMA25 LAN Adapter
- 4 Keyboard and Mouse
- 5 ViewSonic LED or LCD Display



Lower TCO

- Reduces TCO as much as 60% through lower acquisition, maintenance and operating costs
- Less hardware costs
- Less software licenses required
- Less set up hours required
- Less maintenance and less IT and labor costs



More Green

- Each ViewSonic MultiClient workstation uses approximately 20 Watts of electricity, lowering energy consumption by over 70%.*
- Lower energy costs
- Less materials needed to outfit an entire classroom
- Less plastic and materials sent to the recycling center



Recommended ViewSonic Displays:
VA1912a-LED, VA1912m-LED, VA926-LED, VG932m-LED



Keep Your Classroom Connected

Using local classroom management and control software, teachers can easily project their own display to the student stations, as well as remotely monitor and control a student's machine. The package includes features to open and close applications, transfer files, run commands remotely, control the use of the Internet, create chat groups, execute tests and create instant quizzes, control student access and even temporarily turn off Internet access or lock student screens in order to avoid distractions.



MultiClient is Versatile



Classrooms

- Maximizes annual budgets
- Minimal IT required
- Each student has their own workstation
- 90% fewer computers to maintain
- Deploy cloud, windows or Linux desktops
- Automatic failover feature ensures computer stations are still up and running even if a host PC needs repair



Libraries/Labs

- Users have access to various applications including web browser, multimedia player, office suite, and many more.
- Hardware security: host computer is never exposed to end users
- Installation and removal of software and access privileges and security policies are strictly enforced by the administrator



School Administration Offices

- Shared computers are just right for Word documents, spreadsheets and standard Office programs
- Easy data backup and security control
- Saves on purchasing, deployment and servicing costs
- Decreases collateral expenses such as networking, consumables, electricity, & cooling



Cloud Management Solution Now Available

Enjoy the benefits of MultiClient computing with a full cloud management solution. Useful Desktop is a complete education desktop with an easy to use cloud-based management website for configuration, updates, control, monitoring and usage reports.

Useful Desktop gives school administrators the ability to target educational content and applications to students based on grade level or subject. Students don't just log into a computer, they login to a session aimed at their learning stage or subject of study. Optional Internet filtering can also be set to appropriate levels based on student, grade or subject. A department of education can control sessions through Useful's cloud management website, and remotely update and add content or applications as needed.

With cloud management capability, staff can easily control all school computers in any location from an Internet browser. Administrators can easily customize the entire look, feel and functionality of each computer station across all schools in a district, or across a country. Each computer station can be set up to be identical, or multiple station types can be set up without manually updating each computer. Access is through a single website, and all settings are saved in the cloud. It's easy to get started!

CASE STUDY

Recently, a Ministry of Education (MoE) in Latin America chose the ViewSonic MultiClient solution, powered by Useful software, and plan to deploy 3000 computer stations to serve students in schools across the region. With ViewSonic's MultiClient solution, they can expect to save 60% in up-front costs and 80%* in annual electricity savings, as compared to a traditional PC solution. Over 3 years, they will save enough in electricity costs to cover the full cost of their hardware.



MultiClient Host Server

ViewSonic's VMS700 and VMS710 MultiClient Servers come with a clean minimalist design, yet includes all the power you need to host a cloud computing environment and manage up to 20 clients. It is easy to set up and configure as a single server or tie multiple servers together for larger network requirements.

- Secure, scalable and future-proofed implementation
- Genuine Intel® CPU powers your private cloud
- Fully configurable server in tower form factor
- Dual video outputs include VGA and digital DVI
- Dual RJ45 Gigabit Ethernet for up/down stream
- Features twelve USB ports (front x4 / rear x8)



VMS700 (Core i3)

OS Support	Windows® MultiPoint® Server 2011, Useful MultiSeat Linux 2011™
Processor	Intel® Core™ i3-550 3.2 GHz
Chipset	Intel® 3420
Graphics Card	NVIDIA® GeForce® 8400GS
Memory	8 GB DDR3 RAM
Hard Drive	1 TB SATA
Input/Output Ports	USB 2.0: Front (x4) and Rear (x8), VGA, DVI-I, eSATA, Microphone, Headphone, Audio-In, Audio-Out, Serial
Expansion Slots	Low-Profile PCI 32bit, Low-Profile PCIe (x1), Low-Profile PCIe (x4), Low-Profile PCIe (x16) occupied by the graphics card
Networking	10/100/1000Mb Gigabit Ethernet (x2)
Noise Level	Under 45dB in 23±2°C ambient
Power Voltage	AC 100 - 240V, 50 - 60Hz
Power Consumption	250W (max)
Regulations	CB, FCC, CE, CCC, BSMI, NRTL, WEEE, RoHS, WHQL 2008 R2, ENERGY STAR®
Dimensions (WxHxD)	13.0 x 3.8 x 15.7 in. / 330 x 96 x 400 mm
Weight	Net: 15.3 lbs. / 6.94 kg Gross: 18.4 lbs. / 8.34 kg
Contents	VMS700, power cord, Quick Start Guide, Wizard CD (User Guide and Drivers)
Warranty	1-year limited warranty on parts and labor.
Country of Origin	Taiwan

Choose your VMS700 operating system:

VMS700B_S1US_01: Windows MultiPoint Server 2011 Standard License
VMS700B_EDUS_01: Windows MultiPoint Server 2011 Education License
VMS700B_U1US_01: Useful MultiSeat Linux 2011 License
VMS700B_FDUS_01: No Client License, Free DOS

VMS710 (Xeon E3-1245 V2)

OS Support	Windows® MultiPoint® Server 2011, Useful Multiplatform™ or Useful Desktop™
Processor	Intel® Xeon® E3-1245 V2 (8M Cache 3.4 GHz)
Chipset	Intel® 3420
Graphics Card	NVIDIA® GeForce® 8400GS
Memory	8 GB DDR3 RAM
Hard Drive	1 TB SATA
Optical Drive	CD/DVD Read/Write 24x
Input/Output Ports	USB 2.0: Front (x4) and Rear (x8), VGA, DVI-I, eSATA, Microphone, Headphone, Audio-In, Audio-Out, Serial
Expansion Slots	Low-Profile PCI 32bit, Low-Profile PCIe (x1), Low-Profile PCIe (x4), Low-Profile PCIe (x16) occupied by the graphics card
Networking	10/100/1000Mb Gigabit Ethernet (x2)
Noise Level	Under 45dB in 23±2°C ambient
Power Voltage	AC 100 - 240V, 50 - 60Hz
Power Consumption	250W (max)
Regulations	CB, FCC, CE, CCC, BSMI, NRTL, WEEE, RoHS, WHQL 2008 R2, ENERGY STAR®
Dimensions (WxHxD)	13.0 x 3.8 x 15.7 in. / 330 x 96 x 400 mm
Weight	Net: 15.3 lbs. / 6.94 kg Gross: 18.4 lbs. / 8.34 kg
Contents	VMS710, power cord, Quick Start Guide, Wizard CD (User Guide and Drivers)
Warranty	1-year limited warranty on parts and labor.
Country of Origin	Taiwan

Choose your VMS710 operating system:

VMS710B_S1US_01: Windows MultiPoint Server 2011 Standard License, 8GB RAM
VMS710B_EDUS_01: Windows MultiPoint Server 2011 Education License, 8GB RAM
VMS710B_U3US_01: Useful Multiplatform License, 8GB RAM
VMS710B_U2US_01: Useful Desktop License, 8GB RAM
VMS710B_FDUS_01: Free DOS OS, 8GB RAM
VMS710B_S1US_02: Windows MultiPoint Server 2011 Standard License, 16GB RAM
VMS710B_EDUS_02: Windows MultiPoint Server 2011 Education License, 16GB RAM
VMS710B_U3US_02: Useful Multiplatform License, 16GB RAM
VMS710B_U2US_02: Useful Desktop License, 16GB RAM
VMS710B_FDUS_02: Free DOS OS, 16GB RAM
VMS710B_S1US_03: Windows MultiPoint Server 2011 Standard License, 32GB RAM
VMS710B_EDUS_03: Windows MultiPoint Server 2011 Education License, 32GB RAM
VMS710B_U3US_03: Useful Multiplatform License, 32GB RAM
VMS710B_U2US_03: Useful Desktop License, 32GB RAM
VMS710B_FDUS_03: Free DOS OS, 32GB RAM

MultiClient Adapters

Quad USB Solution

The ViewSonic® MultiClient™ USB Adapter allows up to 10 users to share a single computer server for a cost-effective, easy-to-manage, private cloud computing environment. Set-up is quick and easy with the plug-and-play USB connection. Users enjoy a complete multimedia experience with headphone, microphone, and VGA output for resolutions up to 1280x1024 (or 1440x900 widescreen). Adapter also includes four Type A USB connections for mouse, keyboard or other peripherals such as a USB flash drive or web cam.

- Build your own local cloud-based environment
- Plug-and-Play USB: Connect up to 10 users per server
- Multimedia experience with headphone and microphone
- Virtually eliminates support, updates and maintenance
- Compact VESA mountable form factor mounts to monitor
- Fanless design for quiet operation



VMA15

OS Support	Windows® MultiPoint® Server 2011, Useful Multiplatform™ or Useful Desktop™
Resolution	Up to 1280x1024 and 1440x900
Video	VGA analog output (15-pin mini D-sub)
Input/Output Ports	VGA, USB type B to host, USB type A (x4) for keyboard and mouse, microphone, headphone
Networking	Host connection USB 2.0
USB Cable	USB cable with type B connector
Noise Level	No audible noise
Security	Kensington® lock slot
Power Consumption	2.5W (max)
Regulations	CB, FCC, CE, BSMI, NRTL, WEEE, RoHS
Display Mount	VESA 100 x 100 mm, 75 x 75 mm
Dimensions (WxHxD)	3.9 x 0.9 x 2.6 in. / 100 x 23 x 66 mm
Weight	Net: 0.25 lbs. / 0.11 kg Gross: 1.5 lbs. / 0.66 kg
Contents	VMA15, power adapter, 3m USB cable, mounting kit, Quick Start Guide, Wizard CD (User Guide and Drivers)
Warranty	3-year limited warranty on parts and labor.
Country of Origin	Taiwan

Choose your VMA15 operating system:

VMA15B_S1US_01: Windows MultiPoint Server 2011 Standard License
VMA15B_EDUS_01: Windows MultiPoint Server 2011 Education License
VMA15B_U1US_01: Useful MultiSeat Linux 2011 / Multiplatform License
VMA15B_U2US_01: Useful Desktop License
VMA15B_00US_01: No Client License

Quad LAN Solution

The ViewSonic® MultiClient™ LAN Adapter allows up to 20 users to share a single computer server for a cost effective, easy-to-manage, private cloud computing environment. Set-up is quick and easy with the plug-and-play LAN installation supporting Gigabit Ethernet. Users enjoy a complete multimedia experience with headphone, microphone, and VGA output for resolutions up to 1280x1024 (or 1440x900 widescreen). Adapter also includes four Type A USB connections for mouse, keyboard or other peripherals such as a USB flash drive or web cam.

- Build your own local or wide cloud environment
- RJ45 Ethernet; Connect up to 20 users per server
- Multimedia experience with headphone and microphone
- Virtually eliminates support, updates and maintenance
- Compact VESA mountable form factor mounts to monitor
- Fanless design for quiet operation



VMA25

OS Support	Windows® MultiPoint® Server 2011, Useful Multiplatform™ or Useful Desktop™
Resolution	Up to 1280x1024 and 1440x900
Video	VGA analog output (15-pin mini D-sub)
Input/Output Ports	VGA, USB (x4) for keyboard and mouse, Gigabit LAN, microphone, headphone, power jack
Networking	Connection to host server 10/100/1000Mb Gigabit LAN
Noise Level	No audible noise
Security	Kensington® lock slot
Power Consumption	4W (max)
Regulations	CB, FCC, CE, BSMI, NRTL, WEEE, RoHS
Display Mount	VESA 100 x 100 mm, 75 x 75 mm
Dimensions (WxHxD)	4.7 x 1.1 x 3.1 in. / 120 x 28 x 80 mm
Net Weight	Net: 0.35 lbs. / 0.16 kg Gross: 1.2 lbs. / 0.53 kg
Contents	VMA25, power adapter, mounting kit, Quick Start Guide, Wizard CD (User Guide and Drivers)
Warranty	3-year limited warranty on parts and labor.
Country of Origin	Taiwan

Choose your VMA25 operating system:

VMA25B_S1US_01: Windows MultiPoint Server 2011 Standard License
VMA25B_EDUS_01: Windows MultiPoint Server 2011 Education License
VMA25B_U1US_01: Useful MultiSeat Linux 2011 / Multiplatform License
VMA25B_U2US_01: Useful Desktop License
VMA25B_00US_01: No Client License

USB Keyboard and Mouse Set

VMP10B_KM1US03 (English) / VMP10B_KM1ES03 (Spanish)

Keyboard – Ergonomic design

Connection	USB
Frequency Response	<30ms
Dimensions (WxHxD)	15.9" x 5.7" x 0.9" / 403.9 x 144.8 x 22.9 mm
Cable Length	60" / 152 mm
MTBF	≥100,000 hours
Warranty	1-year limited warranty on parts and labor
Country of Origin	Taiwan

Mouse – Suitable for right hand or left hand operation

Connection	USB
Resolution	1000 dpi
Dimensions (WxHxD)	4.8" x 2.4" x 1.5" / 121.9 x 61 x 38.1 mm
Cable Length	60" / 152 mm
MTBF	≥100,000 hours
Warranty	1-year limited warranty on parts and labor
Country of Origin	Taiwan





MultiClient™ – The Path to Cloud Computing

For more information: www.viewsonic.com/multiclient

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