

Atrust PCoIP Zero Client helps China Nanjing Financial School to High Efficient Virtual Desktop Environment



Customer Overview:

The Nanjing Financial School located in downtown Nanjing City, People of Republic China with a population of approximately 28,000 students. The IT needs for this organization a secure, manageable and cost effective virtual desktop infrastructure.

Challenge:

In a busy financial school organization, it was a challenge to maintain and provide the non-stop support with traditional PC desktops in each location. The IT staffs were struggling to handle student downloaded applications and sometimes destructive viruses. “We had PCs in the classrooms and offices but they were ageing and we were spending an increasing amount of time to troubleshoot with problems caused by ageing PCs.” said Nanjing Financial School, IT Manager. As the amount of students at Nanjing Financial School increased rapidly, Nanjing Financial School liked to use the latest IT technology in each classroom with limited budget and began looking for the alternative sharing computing solutions. The majority of users at Nanjing Financial School were accessing databases, AutoCAD, 3Dmax, Maya graphic applications and day-to-day office applications.

Solution:

Nanjing Financial School contacted Atrust Rep to see if the virtual desktop and PCoIP zero client solution could meet school’s requirements. Atrust took PCoIP zero client [w100](#) to assist Nanjing Financial School reduce the total cost and address the troublesome issues which the IT staff was facing. Atrust PCoIP zero client has no hard drives or local storage; all applications and information are now stored on the rack mount servers.



After evaluating the options of virtual desktops and PCoIP zero clients, Nanjing Financial School fixed on w100 PcoIP zero client from leading cloud computing manufacturer Atrust Computer Corp.

The w100 PcoIP zero client is part of a Desktop virtualization computing solution with the server running VMware® Horizon™ View and Microsoft® Windows® 7 operating system onto the ESXi. The school has now deployed more than 400 Atrust w100 PcoIP zero clients in classrooms and for staff administration.

The entire deployment took only few days to complete with minimal IT staff, much shorter than typical PC implementation that can take weeks with several IT personnel.

Benefit:

Atrust thin client and zero client devices play a significant role in educational sector.

- Atrust thin and zero client devices can easily be used in classrooms and administration offices, and with different types of host environments
- Protect against manipulation destructive viruses and spyware
- Meet the request of using multimedia teaching and training software tools
- Total costs, including energy cost, can be reduced gradually
- Smaller footprint and lower heat load, noiseless design

w100

Atrust w100 is based on Teradici PCoIP engine zero client which offers a rich computing experience, high resolution, full frame rate 3D graphics, HD video and audio, dual displays and USB peripheral connectivity. Atrust w100 zero client delivers the hardware acceleration user experience to task workers as well as power users in a truly uncompromised computing environment. PCoIP (PC-over-IP) technology is the result of a breakthrough in display compression for connecting desktops over existing, standard IP networks. PCoIP technology allows all enterprise desktops, from task workers to power users, to be centrally located and managed in the data center, while providing the remote user with an exceptional user experience. The PCoIP protocol compresses, encrypts and encodes the entire computing experience at the data center and transmits it 'pixels only' across any standard IP network to stateless PCoIP zero clients.



Atrust w100 weight 362g, dimensions only (W) 39.5 x (D) 103 x (H) 143 mm of slim and fanless design, DVI-I and DVI-D dual displays with maximum resolution up to 1920 x 1200 and 4 available USB 2.0 ports, with it's slim, energy-saving designs, the w100 provides a no-clutter and noise free workspaces, not to mention the better high definition user experience. The w100 is an efficient device for desktop virtualization. For more information, please visit our website at www.atrustcorp.com or email to: sales@atrustercorp.com.

Specifications

PCoIP Zero Client - w100	
Processor	Teradici TERA2321
System Memory	512 MB
Max Resolution	2x 1920x1200 1x 2560x1600 (with special dual-link DVI cable --option)* *A special dual-link DVI cable is required that connects to the two DVI ports on the w100 and outputs a dual-link DVI signal to a DVI monitor capable of supporting 2560x1600 resolution.
I/O Ports	Front: 2 x USB, 1 x Headphone, 1 x Microphone, Rear: 2 x USB, 1 x RJ45, 1 x DVI-I, 1 x DVI-D, 1 x Kensington lock slot, 1 x DC IN
Networking	10/100/1000Mb
Protocols	VMware Horizon View PCoIP

About Atrust:

Established in 2007, Atrust is a creative, professional, and enthusiastic team which has rich experience in designing, producing thin client, server and management software. The objectives of Atrust are to provide customers with high quality, high efficiency and environmental friendly products as well as comprehensive solutions.