Atrust m320 Windows® MultiPoint® Zero Client Brings Pakistan Girls High School to a Real Virtual Desktop Environment

Customer Overview:

The Pakistan Government Girls High Schools are located in four separate sites in Bahawalpur, Punjab. The IT team needs a secured remote access, as well as a manageable and cost effective virtual desktop infrastructure, to manage the schools' IT systems from one single site.

Challenge:

It has been a challenge for busy schools to maintain up speed and non-stop support with traditional PC desktop system. Another difficulty is the hiking operating expenses, especially the costs for power.

The IT staff was also overwhelmed by massive amount of applications downloaded by students, with some of them containing destructive viruses. "We had PCs in classrooms and offices but they were aging and we were spending increasing amount of time with troubleshooting caused by these aging PCs." said the schools' headmistresses.

As the number of students increased rapidly, the schools decided to switch to the latest IT technology, but they were with limited budget. They therefore began looking for alternative computing solutions. The most used applications and systems at schools are databases, some graphic applications and day-to-day office applications.

Solution:

The schools contacted Atrust to see if a virtual desktop solution could meet the schools' needs. Atrust, with its Pakistan partner – Hi-Teq Automation Services, put together a solution to untangle the troublesome issues the IT staff were facing, while the total cost for the schools remains under control. The solution is based on Atrust m320 zero client, which has no hard drives or local storage; all applications and information are stored on secured servers.

The entire deployment took only three days to complete, with minimal need of IT staffing, much more efficient than a typical PC implementation, which can take weeks with full IT personnel. Schools are satisfied with the results and plan to deploy more units in the forthcoming year.

The four schools are: Government Girls High School, Islamia Colony, Bahawalpur; Government Girls High School, Tibba Badar Sheer, Bahawalpur; Government Girls High School, Chak No.22/DNB, Tehsil Yazman, Bahawalpur; and Government Girls High School, Chak NO.64/F, Tehsil Hasilpur, Bahawalpur.

Atrust m320 - Windows MultiPoint Zero Client

Atrust m320 is a zero client designed as an endpoint of a shared resource system, such as a MultiPoint® Server or Userful® Multiplatform system. The solution enables a host server to power multiple and independent stations.

Each station only consists of one station hub (zero client) with a keyboard, mouse, and monitor connected, allowing multiple users to share the computing power of one single server. Simply through an Ethernet connection, the server provides each station user with a familiar and independent Windows® experience.

Advantages

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

- Atrust thin and zero client devices can be easily accessed in classrooms and offices, with different types of hosting environments
- The devices are secured against destructive viruses and spyware
- The devices meet the needs of teachers for multimedia teaching and training software tools
- Total costs, including energy cost, can be reduced significantly
- The devices are with smaller footprint for classrooms, as they operate with lower power demands and are noiseless

Specifications

Windows MultiPoint Zero Client - m320	
Processor	SOC SMSC UFX6000
Max Resolution	1920 x 1080

Specifications

Video Output	VGA-type (D-sub 15)
I/O Ports	Front: 2 x USB type A, 1 x Headphone, 1 x Microphone Rear: 2 x USB type B (for mouse and keyboard), 1 x VGA, 1 x RJ45, 1 x Kensington lock, 1 x DC IN
Host Connection	10/100/1000Mb
Dimensions	(W) 120 x (D) 80 x (H) 26 mm
Weight	158g (approx.) without AC adaptor
Output Voltage	+5V DC
Server OS	Windows® Multipoint® Server 2012 Userful® Multiplatform 6.0

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.