

Kultur School System Improves Student Computing With NComputing

The Kultur School system is a leading private school system in Turkey with about 2,000 students and 300 staff. The system includes 5 preschools, 2 primary schools, 2 high schools, and a science-focused high school. "Bringing computing technology into daily teaching and exposing the students to the broader world is a key mission of the schools," says Mrs. Esra Ataç, chief of the school's computer department. "Information and technology is moving extremely fast and we want our students to use computers to creatively find information and solve problems."

The Challenge

Two computer laboratories with 26 PCs in each were in use by Kultur's primary school. The 52 PCs required constant attention by the computer department in terms of hardware maintenance, software issues, security and virus problems. Each PC used more than 200 watts of electricity so the laboratories were using over 10,000 watts of expensive electricity an hour. The PCs also generated a lot of heat which required even more electricity for the air conditioning system to cool the laboratories. It was a vicious cycle of expensive electrical waste.



The NComputing solution cut the high costs needed to manage and power Kultur's old PCs

"We were planning to upgrade the computers in the laboratories and wanted to find a more suitable system that was easier to manage and a lot less expensive to maintain," says Mrs. Esra Ataç, chief of Kultur's computer department.



Kultur sought to bring computing into daily teaching to expose students to the broader world

The Solution

Kultur's Technology Committee researched alternative solutions and learned about NComputing which is distributed by Dojop Teknologi in Turkey. NComputing harnesses the unused power of a PC to share it among multiple users and it does so at a fraction of the cost of individual PCs. In addition, this highly efficient system requires less electricity, less space, and less time to setup and manage, making it ideal for educational institutions like Kultur. Since the benefits of NComputing were so clear, the L100 terminals were deployed in the two computer laboratories.

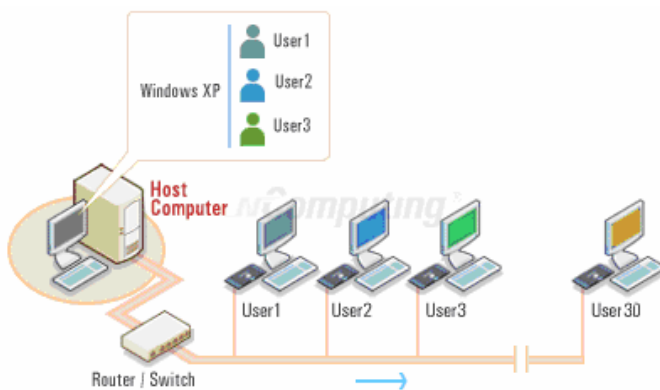


Kultur schools use small NComputing L100 access terminals to expand student access to computing

How Does It Work?

With the NComputing solution, each user has a separate keyboard, monitor and mouse that connect to a small access terminal. The terminal is solid state with no moving parts, is very low cost, and is easy to manage. The L Series terminals connect to the host PC via standard Ethernet.

NComputing terminal services software, installed on the host PC, enables each user to connect to their own individual session from their terminal. The entire solution is compatible with standard PC applications and Ethernet networking so IT staff and end users do not require special training. The following diagram shows how an L Series terminal connects back to the host PC over Ethernet.



Multiple L Series access terminals can connect back to a single host PC over Ethernet

The Results

Kultur first installed the L Series terminals in the primary school's computer laboratories. Mrs. Ataç's computer department realized several benefits of the NComputing solution. First, since the school did not have to buy 52 new PCs, there was a significant up-front cost savings. Second, the computer department staff spent much less time fixing hardware and software problems because there were fewer PCs to manage. Third, in the future, the school will only need to upgrade a few PCs instead of 52. Finally, the L100 only uses five Watts of electricity (vs. 200 Watts for a PC) so it provides dramatic savings in electrical use and air conditioning costs.



The solution improves the student work area by removing the bulk, heat and noise of box PCs

The teachers like the NComputing solution because they can use the NControl software to monitor, track and control the student sessions. "We use the NControl software to track the student's screen and help them with their computer learning. Occasionally, we have a student wander off to an unsuitable website or play a video-game and we can control that." says the IT teacher, Mr. Tuncay Karaçelebiarch.

Kultur has been very pleased with the deployments and is deploying NComputing throughout the school. Kultur has installed NComputing in the library, teacher's room, and administrative offices.

"We tried the NComputing L100 access terminal and immediately saw that it can be installed quickly and simply. Maintaining the L100 was also easy. And of course the cost was significantly less than a regular PC."

NComputing and Dojop brought the simplicity, affordability, and reliability of their solution to Kultur. NComputing solutions have been deployed all over the world by schools, businesses, governments and other institutions. To learn more about how NComputing can help your organization, please visit: www.ncomputing.com