

CASE STUDY



PAULDING COUNTY SCHOOL DISTRICT

The Paulding County School District is the 13th largest school district in the State of Georgia. The K-12 District has 19 elementary schools, 9 middle schools and 5 high schools. Current enrollment is 28,500, and there are 3400 employees. There are between 8000-10,000 wireless connections on the District's network at any given time.

CHALLENGES

Paulding County School District was facing bandwidth shortage issues in the classroom. Also, wireless capabilities were limited and no longer met the strong demand from students and faculty.

The District needed an easy-to-manage solution to support in-class devices, such as printers, phones and teacher workstations, and offer reliable wireless connectivity for students and faculty.

Lastly, networking technology varied from school to school. The District wanted a standard solution to deliver consistent wired and wireless connectivity across all schools.

PRODUCTS AND SERVICES

Alcatel-Lucent OmniSwitch® 6450-10 Stackable Gigabit Ethernet LAN Switch

Alcatel-Lucent OmniSwitch® 6450 Stackable LAN Switch

Alcatel-Lucent OmniSwitch® 10K Modular LAN Chassis

Alcatel-Lucent OmniVista® 2500 Network Management System

Alcatel-Lucent OmniAccess® AP225

WHAT MADE THE DIFFERENCE?

The District was convinced that the solution, including the managed switches that would centralize switch maintenance and simplify management, would meet their needs.

Furthermore, The District already had a relationship with, and trusted, Alcatel-Lucent Enterprise and Pinnacle NetworX LLC.

Location: Georgia, USA

Vertical: Education

Number of users:
31,000+

Deal implementation:
September 2015

Business partner:
Pinnacle NetworX LLC



BENEFITS



TECHNICAL

Dedicated Alcatel-Lucent OmniSwitch® 6450-10 switches in each classroom offer reliable bandwidth silently and support e-learning facilities, while Alcatel-Lucent OmniSwitch® 6450 switches in the hallway deliver quality wireless for BYOD devices.

The Alcatel-Lucent OmniVista® 2500 allows for simplified and unified management of the wired and wireless networks.



FINANCIAL

Implementing managed switches in classrooms has reduced maintenance, local travel needs and costs.

Upgrading the wireless network qualified the District for federal (e-Rate) and matching state funds.



USER EXPERIENCE

Students can securely connect their devices to the network, promoting anytime-anywhere digital learning.

Educators have greater bandwidth to fuel their teaching and e-learning tools and devices.



“We’re progressively putting the solution in place at each of our schools and we’ve been getting a lot of great feedback. The infrastructure is simple to implement and its benefits are immediate.”

Julie Ackerman, Executive Director Technology,
Paulding County School District