

Rockville School District Enhancing the learning environment through technology

*“We not only teach **with** technology, we **teach** technology. With ALE we assure that when the networks run smooth, learning runs smooth.”*

Mike Anderson, Director of Technology

Rockville Centre School District (RVC) is widely recognized as one of the top performing school districts in the state of New York and the country. With seven K-12 schools serving approximately 3500 students and an 11-to-1 student-to-teacher ratio, RVC has focused on technology to ignite their students' passion for learning.

CHALLENGES

Schools are often faced with budget challenges and with hard decisions on where to invest. RVC continues to lean on technology investment to provide an enhanced, safe and secure learning environment. RVC created a 1:1 tablet program with a reliable Wi-Fi network of over 300 access points across the district. Leveraging the performance of Alcatel-Lucent OmniSwitch network, they created VLANs for the security camera traffic minimizing disruption of routine traffic dedicated to teaching and communications. An unmatched safety and alert ecosystem is supported via the network design and integration of ALE switches with Milestone video monitoring system, Axis security cameras, Rave safety response solutions and Gallagher door access, along with Alcatel-Lucent Visual Notification Assistant (VNA) mass notification solution.

RVC leveraged the existing Alcatel-Lucent PBX system to integrate IP phones and softphones, with existing digital handsets across the high school and classrooms, enabling more accessible communication across campus.

PRODUCTS AND SERVICES

[Alcatel-Lucent OmniSwitch® 6900](#)

[Alcatel-Lucent OmniSwitch® 6860](#)

[Alcatel-Lucent OmniAccess® Access Points](#)

[Alcatel-Lucent OmniVista® 2500 Network Management System](#)

[Alcatel-Lucent IP, digital and softphones](#)

[Alcatel-Lucent Visual Notification Assistant](#)

WHAT MADE THE DIFFERENCE?

Total cost of ownership, feature set and capabilities were paramount for RVC in the decision to select Alcatel-Lucent Enterprise. RVC sought out a high performance and highly reliable networking experience at a minimal cost, and as a bonus was able to leverage the synergy of the LAN/WLAN and the features of the communications system all from one vendor.

> TECHNICAL BENEFITS

- Create VLAN via OmniSwitch to contain, manage bandwidth heavy security camera traffic
- Visual Notification Assistant is a key to next steps of the safety and secure ecosystem
- OmniVista solution also provides automated features, making network management easier

> FINANCIAL BENEFITS

- Total cost of ownership, longevity of solution are benefits to RVC's investment in ALE
- Hybrid phone system provided flexibility of cost to add phones only where needed, and implement soft-phone over the WLAN

> USER EXPERIENCE BENEFITS

- 1:1 program, RVC can extend the school day for students, allowing them to log in from home, access the internal network, submit homework, and message teachers
- Technology enables detection of bullying and gun shots in addition to smoke/vaping
- Integration of VNA with Gallagher door access is ideal to enable lock down when needed

This deployment has enabled RVC to implement *teaching with technology* resulting in a positive effect throughout the typical school day for students, faculty, staff, and administration.



Customer Story

MARKET: **EDUCATION**
PROJECT DATE: **2024**

COUNTRY: **UNITED STATES**
NUMBER OF USERS: **3500**

COMPANY:
**ROCKVILLE CENTRE
SCHOOL DISTRICT**

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