"The technology has surpassed our requirements and operates beautifully."

– Bill Henris, I.T. Coordinator

School District Networks Upgrade

Case Study

Brocton Central School District

**138 West Main Street
Brocton NY 14716**

Q3 2012: Brocton Central School District of Brocton, NY allocated funding for a major network infrastructure upgrade. Brocton CSD is located in the northwest region of Chautauqua County, about 60 miles south of Buffalo. The SD supports 630 students from pre-K through Grade 12 through an elementary school, and a combined middle/high school.

The project was completed under budget and exceeding required specifications using Amer Networks.

Like many school districts in upstate New York, Brocton operates under relatively severe fiscal restraints while requiring significant increases in core and IDF network capacity, wireless network capacity, and optimization of network usage. With a combined total of close to 1,000 staff, faculty and students, a BYOD program had multiplied on-net users by 4X; on-line content and testing multiplied traffic density by 3X.

System Highlights:

- **Connecting all three campus locations on a 10 Gigabit fiber platform**

- **53 wireless access points providing full duel-band, 125 – 150 Mbps wireless connectivity to all classrooms, library, staff and other facilities**

- **Clavister Next Generation Network Security appliance, providing the most advanced network and user security to staff and students**

Extend your District Budget

All Amer switching systems are 100% interoperable with Cisco, H.P. and other legacy systems. Please contact us for a free, "no commitment" trial of our full-district 10 Gigabit network upgrade.

I.T. coordinator Bill Henris was charged with sourcing and implementing a "best function @ best value" network upgrade, network design and, finally, budgeting exercise. The final design included:

- 25 x 48-port Layer 3 switching systems, connecting all three campus locations on a 10 Gigabit fiber platform.
- 53 x WAP 334NC wireless access points providing full dual-band, 125 – 150 Mbps wireless connectivity to all classrooms, library, staff, and other facilities on Brocton campuses.
- 4-Year Amer CloudCommand™ licensing for management of the wireless network: CloudCommand™ is a cloud-based "always available" Cloud-based system residing within Amazon's distributed Cloud environment for full security and 99.999% availability.
- 1 x Amer Network WLO880T network optimization system, to ensure optimal user experience and maximum network value.
- Amer-provided Clavister Next Generation Network Security appliance, providing the most advanced network and user security to staff and students, and the network infrastructure itself.
- All cabling, media converters and fiber connection accessories.

Asked to summarize the procurement, implementation and current operation of the Amer Network systems, Bill Henris offered the following statement:

"Like all districts, Brocton operates under a pretty tight budget. From the top down, we all work hard to get full value from every dollar we spend. That said, acquiring an "off-brand" technology takes a bit of a 'leap-of-faith'. But our experience with Amer technology and Amer staff has been nothing but positive. The network systems themselves are absolutely first-rate. The technology has surpassed our requirements and operates beautifully. The Amer technical and business staff have been 100% available throughout the entire project, ensuring we met our goals and deadlines. The network is doing everything we planned, and more.
The final extra value we received was Amer's contracted commitment to make AC (1 gigabit) wireless access points available to us at their own cost plus 5%. Amer will trial their AC-series Wi-Fi in Q4, 2014, right here at Brocton. This protection of our wireless investment makes all of us very comfortable with our long-range network plans and our budgeting responsibilities."