GigE Wireless Solutions for Education Applications



BridgeWave Communications



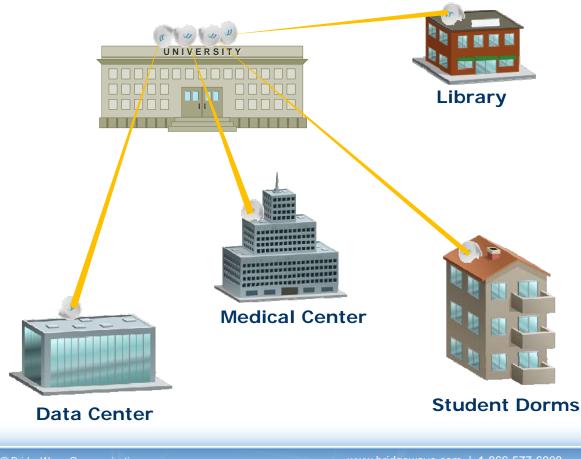
With thousands of GigE links installed, BridgeWave is today's leading provider of high-capacity wireless solutions to over 120 education institutions across the United States and Canada

A Sample of BridgeWave's Education Users

BridgeWave



Higher Education Campus Connectivity



Fiber capacity to every building?

> Gigabit wireless goes where fiber doesn't reach!

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BridgeWave

www.bridgewave.com | 1-866-577-6908

Cornell University

Challenges:

BridgeWave

- Severe weather hindered network connections
- Limited connectivity in times of disaster
- Costs of \$2M for fiber exceeded budget

***** Benefits:

- Reliable, uninterrupted campus connectivity
- Complete disaster recovery strategy
- 256-bit AES provides highly secure transmission





"BridgeWave's AR60X links not only provided a solution to our previous network vulnerabilities, but also served as a 'future-proof' disaster recovery solution."

- Ed Kiefer Manager of data networking, Cornell University

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George Brown College

Challenges:

BridgeWave

- Integrate nine buildings on two campuses
- Impending fiber connection price increase
- Maintain Service Level Agreements

Benefits:

- Complete ROI in less than 8 months compared to fiber
- Ultra-low latency for VoIP & video

"We are so happy with our original four gigabit wireless links that BridgeWave's GE60s have become our standard for connecting new buildings."

- Yves Hébert CIO, George Brown College





Arizona State University

Challenges:

BridgeWave

- Provide gigabit service to off-campus partner
- \$600K for fiber connection too costly
- Needed low latency for VoIP and video

Benefits:

- Reliable network backbone connection
- Connection ready in days, not months

"Not only did BridgeWave's AR60X product save us a substantial amount of time and money, it also provided more network capacity than competing solutions."

- Antonio Cerrera Network Project Manager, Arizona State University







Coppin State University

Challenges:

BridgeWave

- Needed fiber-equivalent performance
- Quick installation to extend network to new overflow classrooms

Benefits:

- Full GigE bandwidth
- Quick installation
- No long term leased-line contract

"The performance of BridgeWave's gigabit wireless links has been seamless, without any additional OPEX costs, and with very little support needed from our IT staff."

- Dick Rader, Director of Telecommunications, Coppin State University





BridgeWave Communications

Rush University

Challenges:

BridgeWave

- Swiftly provision high-speed connections to relocated outpatient clinic
- \$500K fiber installation was well out of budget
- HIPAA compliance





- Immediate gigabit connectivity
- ROI in 5 months
- Secure, reliable transfer of sensitive patient information

"We have already saved \$200,000 by using BridgeWave's GigE solutions instead of fiber. BridgeWave allowed us to stay under budget with low operating costs for high-speed connections and functionality."

- Eric Schoedel, Voice Manager, Rush University Medical Center





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California State University - Fullerton

Challenges:

BridgeWave

- Quickly provide services to staff moving to new leased offices
- Need gigabit capacity for programmers preparing for a large PeopleSoft implementation

Benefits:

 Fiber-like performance without the cost and delays

"....we realized BridgeWave links provide fiberequivalent connectivity at a fraction of the cost...and we've been pleased with the results."

- Dick Bednar, Sr. Director of Information Technology, CSU Fullerton







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Seattle University

Challenges:

BridgeWave

- Connect campus buildings to core fiber network
- FSO impractical due to fog

Benefits:

- Quick and easy installation
- Limitless bandwidth
- No recurring lease-line charges

"...bringing up the link was literally a 'point-and-shoot' operation. The link has performed perfectly ever since."

- Jason Hernandez Sr. Network Infrastructure Architect, Seattle University



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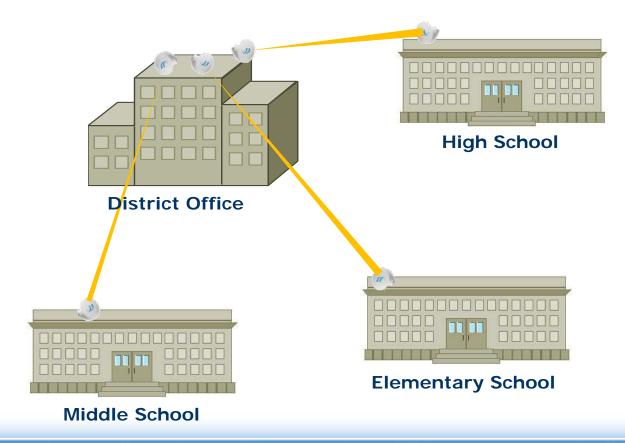


A Sample of BridgeWave's Education Users

BridgeWave



K-12 School Connectivity



BridgeWave

- VoIP, data, Internet connections
- Efficient "ghosting" student desktops
- * Information sharing
- * Research
- Video-in-classroom

Deer Creek School District

Challenges: *

BridgeWave

- Deliver high-capacity connectivity to rural * elementary schools
- Severe weather hindered network connections **

Benefits: **

- * Gigabit speeds provide future-proof bandwidth
- ROI in 6 months **

"With BridgeWave, our schools now experience highly reliable, seamless network connectivity. A solution that supported our entire network and one that was scalable to accommodate future applications was a real win."

- Tony Brancich, Director of Technology, Deer Creek School District











Quinlan Independent School District

Challenges:

- New intermediate school needed connectivity
- Poor results using 2.4/5.8 GHz links
- Needed to consolidate servers

Benefits:

- High-performance gigabit speeds
- Reliable connectivity
- Less expensive than fiber





E-Rate and BridgeWave

E-Rate Program:

BridgeWave

- Federal subsidy (20% 90%) on:
 - Phone lines, data lines, internet access, internal connections
 - Significant dollars for schools with high free/reduced lunch eligibility
 - Priority 1
 - Telecommunication services & Internet access
 - Priority 2
 - Internal connections & basic maintenance

SridgeWave:

- Falls under Priority 2 as:
 - Wireless WAN devices
 - Wireless Internet devices

http://www.bridgewave.com/solutions/erate.cfm



BridgeWave.....chosen by:



BridgeWave

Seattle University



Quinlan School District



Rush University



Crane School District

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BridgeWave Communications

Leader in gigabit wireless solutions

Thousands of GigE links installed

Specializing in 60–90 GHz bands

- Multi-GHz allocation
- Multi-gigabit services



Corporate Headquarters: Santa Clara, CA

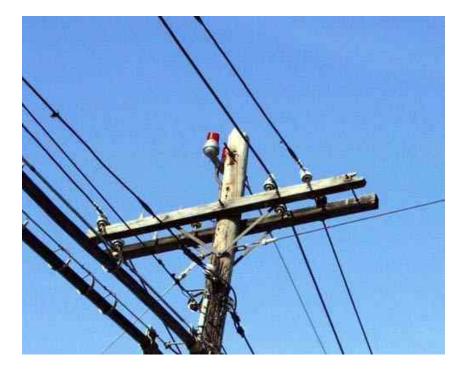


Wireless alternative to fiber:

- ✤ Performance
- Security
- ✤ Reliability

...without the costs and delays





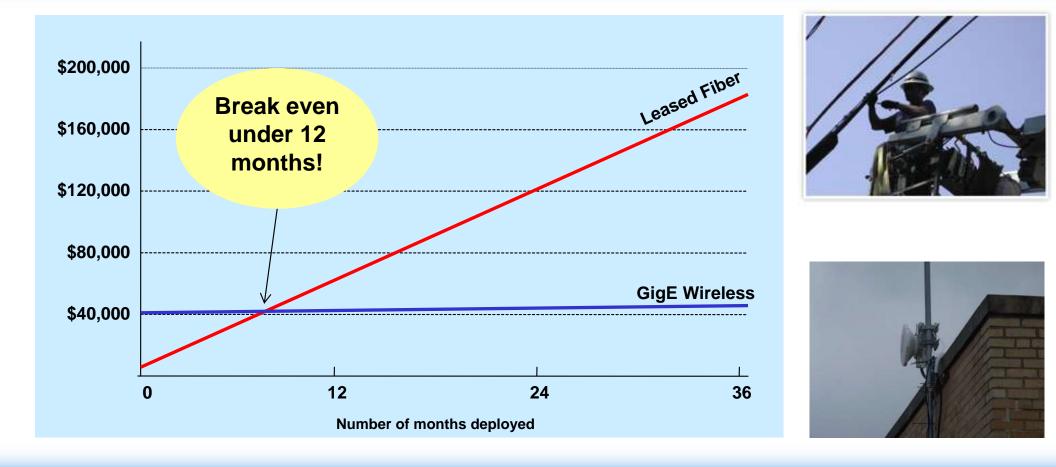
Leased lines too slow...too costly?

Own your own gigabit wireless backbone

Full GigE capacity

ROI in months

Fiber vs. GigE Wireless 3-year Costs



BridgeWave



Why BridgeWave?

- Full gigabit data rates
- Rapid deployment
- Future-proof capacity
- No leased-line costs
- Highly secure
- Total network control

