

## BRIDGEWAVE PRODUCTS

BridgeWave 18 GHz to 80 GHz links offer full-GigE LAN performance for HIPAA-compliant networks at the price of lower-frequency "Wi-Fi based" links that offer less than a tenth of the performance and lack the "spatial pipe" security benefits. BridgeWave links provide a fast-to-deploy, flexible alternative to costly inter-building fiber installations. Alternatively, they can provide a cost-effective 100% spatially diverse redundant path for mission-critical fiber connections.

## HIPAA COMPLIANCE

BridgeWave's wireless Ethernet point-to-point links provide Gigabit and Fast Ethernet wireless performance with security superior to a fiber-optic cable connection. Health Insurance Portability and Accountability Act (HIPAA) compliant networks must include security mechanisms to guard against unauthorized access to data that is transmitted over a communications network. Similar to fiber-optic cable connections, BridgeWave wireless link security is based on securing the physical access to the end points of the link, where the wireless signal is converted between wireless and fiber optic or copper media.



## ABOUT

Founded in 1999, BridgeWave Communications is the leading supplier of high capacity 4G backhaul and gigabit wireless connectivity solutions. BridgeWave's point-to-point wireless bridges are widely deployed in mainstream enterprise and service provider network applications, while its carrier-grade FlexPort® solutions provide a future-proof mobile backhaul solution for carriers and mobile operators migrating to 4G/LTE/WiMAX or greenfield next generation network deployments.

Utilizing the spectrum in both microwave (11 – 38 GHz) and millimeter wave (60 – 90 GHz), the company's solutions offer up to ten times the bandwidth of comparably-priced lower-frequency license-free and licensed-band wireless links, while providing superior interference immunity and data security. BridgeWave's solutions provide fiber-comparable performance without the delay and cost associated with leased-lines.

Setting the standard for product quality, BridgeWave employs Highly Accelerated Life Testing (HALT) during design and Highly Accelerated Stress Screening (HASS) during production to ensure the highest levels of product reliability and customer satisfaction. BridgeWave is an ISO9001 registered company.

BridgeWave is a U.S.-based company headquartered in Santa Clara, California. The company has strong global presence with thousands of radios deployed in more than 50 countries. BridgeWave has a network of experienced distributors and resellers worldwide, making it today's primary vendor of high capacity, high frequency solutions. For more information, visit [www.bridgewave.com](http://www.bridgewave.com)



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BridgeWave  
COMMUNICATIONS

HEALTHCARE

High Capacity  
Wireless  
Solutions



Backhaul Evolved®

# BridgeWave Healthcare Solutions

## CASE STUDIES

**CUSTOMER:** River Radiology, NY

*"We have ample network capacity for at least the next decade. Our highly secure and reliable BridgeWave GigE network extension reinforces River Radiology's ability to deliver diagnostic services and imaging reports in a timely manner, enabling us to provide extremely responsive, top-quality patient care."*

Alice Omichi, IT Systems and PACS Administrator  
River Radiology



**CUSTOMER:** Medical X-Ray Center, SD

*"BridgeWave's products have exceeded our expectations in terms of capacity, security and reliability. We now have room to grow without any concern about bandwidth limitations or any lingering performance or interference problems. What's more, these high-capacity links have boosted overall staff productivity while yielding a seven-month ROI."*

Rod Sevening, IS Manager  
Medical X-Ray Center

**CUSTOMER:** Franciscan Health System, WA

*"We place a high demand on our network solutions here at Franciscan. With PACS, VoIP, and literally hundreds of other mission critical applications riding our network, availability, reliability, security, and performance are critical to the success of the business."*

Ryan Drovдах, Network Supervisor  
Franciscan Health System

**CUSTOMER:** Bayonne Medical Center, NJ

*"BridgeWave's AR80X is ideal for ensuring maximum network uptime with our wireless-over-water application. We are confident this new GigE radio will deliver better than 'four nines' uptime in all weather conditions while producing the fastest return on investment compared to leased-line alternatives."*

Anthony Antinori, IT Director  
Bayonne Medical Center

For details on these case studies, visit:

[www.bridgewave.com/solutions/casestudies.cfm](http://www.bridgewave.com/solutions/casestudies.cfm)

## APPLICATIONS

Secure (HIPAA-compliant) campus connectivity, off-site medical office and lab network access, real-time imaging application connectivity, redundant fiber overlay and disaster recovery.

## SYNOPSIS

Medical applications are among the most demanding in terms of network capacity, real-time performance, mission-critical reliability, and data security. Fiber optic cabling is the primary technology of choice to provide these requirements, however it is often difficult or costly to connect fiber to buildings across city streets or beyond the main campus. BridgeWave 18 GHz and 80 GHz links are the natural choice to provide fiber equivalent performance together with fiber equivalent security. Applications such as electronic patient records and high-resolution medical imaging are well-supported with full GigE bandwidth and ultra-low latency performance. BridgeWave links have very narrow beamwidths that form "spatial pipes" between the ends, providing data security that is superior to inter-building fiber cabling. The physical security provided by BridgeWave links make them a clear choice for implementing HIPAA-compliant networks.

To learn about the benefits of using wireless as an effective backhaul connectivity solution, download our Solutions Brief: <http://www.bridgewave.com/solutions/whitepapers.cfm>



## PRESS RELEASES

**BridgeWave's Gigabit Wireless Links Provide Secure Transmission of PACS, VoIP and Data Services for Franciscan Health System**



*BridgeWave's 60 GHz Wireless Links Provide Full GigE Performance for HIPAA-Compliant Connectivity while Projecting an Estimated \$500,000 Cost Savings over a Five-Year Period.*

**Holy Name Hospital Selects BridgeWave's Gigabit Wireless Connectivity for Secure Transmission of Data**

*BridgeWave's AR80 Wireless-fiber Links Provide Unwavering High-capacity, Highly-secure LAN-like Connectivity.*

**Medical X-Ray Center Delivers High-bandwidth Digital Images with Secure, Reliable, Gigabit Wireless Connectivity from BridgeWave Communications**

*BridgeWave's 60 GHz and 80 GHz Wireless Links Provide Full GigE Performance for HIPAA-compliant LAN Extension while Producing a Seven-month Return on Investment.*

**River Radiology Deploys BridgeWave's Gigabit Wireless Link for Remote Connectivity and Rapid Delivery of Bandwidth-Intensive PACS Files**

*'Wireless Fiber' Network Extension Provides Seamless Voice and Data Communications while Achieving Complete ROI in 10 Months.*



For additional press releases, go to

<http://www.bridgewave.com/company/pressreleases.cfm>