GigE Wireless Solutions for Healthcare Providers

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BridgeWave

Gigabit Point-To-Point Wireless Bridges

Medical X-Ray Center

- **Private Practice Radiology:**
  - Founded in 1961
  - Serves hospitals and clinics in S. Dakota, Minnesota & Iowa.
  - One of only three accredited radiation oncology facilities in a five state region.
- **Transition from film-based to all-digital Picture Archiving Communications System (PACS)**

Medical X-Ray Center Challenges

- **PACS migration required infrastructure overhaul**
  - Images can surge to 500MB
- **Existing 100 Mbps links too slow**
- **Poor reliability of existing links**
  - Interference
  - Troubleshooting time
- **Backup T1**
  - Too slow for image transfers
  - High latency

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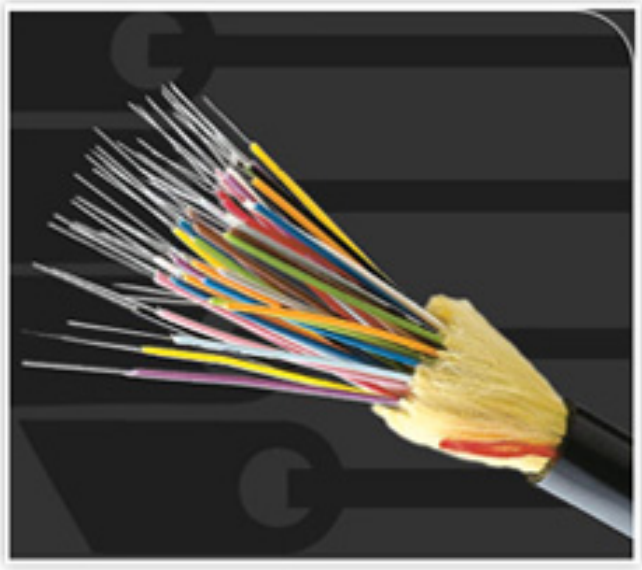
Alternatives



- **Requirements:**
  - >700 Mbps capacity
  - HIPAA compliance
- **Fiber based services**
  - GigE leased lines $10K/mo
- **Other wireless systems failed to offer:**
  - Bandwidth
  - Interference immunity

Medical X-Ray Center Solution

- **Selected BridgeWave**
  - AR60
  - AR80
- **Selling Points:**
  - Full-duplex GigE
  - Product maturity
  - Licensed link for long path
  - Narrow beam - HIPAA
  - AdaptRate™
- **Installed in 3 days**

Medical X-Ray Center Wireless Deployment